

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			5. MINERAL LEASE NO: UTU78237	6. SURFACE: Ashley National Forest
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---	
2. NAME OF OPERATOR: Vantage Energy Uinta LLC			8. UNIT or CA AGREEMENT NAME: ---	
3. ADDRESS OF OPERATOR: 116 Inverness Drive East, Suite 107, Englewood CO 80112 CITY STATE ZIP			PHONE NUMBER: 303-386-8600	9. WELL NAME and NUMBER: Gilsonite 1-20
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 563976 X 4422191 Y 39.949320 -110.251084 1,205' FNL 1,202' FWL 564211 X 4422357 Y AT PROPOSED PRODUCING ZONE: ±660' FNL ±1,980' FWL Sec. 20 T6S R3W (NE/4 NW/4) 39.950860 -110.248323			10. FIELD AND POOL, OR WILDCAT: Wildcat	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW /4 NW /4 Sec. 20 T 6S R 3W U.S.B.&M.			12. COUNTY: Duchesne	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 21.5 MILES SOUTHWEST OF MYTON, UTAH			13. STATE: UT	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Lease: 1,205' Property: 3,850'		16. NUMBER OF ACRES IN LEASE: 2,086.23	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 ACRES	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 50' - Gilsonite Draw No. 1		19. PROPOSED DEPTH: 6,074' - TVD; 6,158' - MD	20. BOND DESCRIPTION: Statewide LPM8907971	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7,060' GR		22. APPROXIMATE DATE WORK WILL START: August 1, 2008	23. ESTIMATED DURATION: 45 DAYS	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
20"	14" Conductor, if required	0' - 50'	4 cubic yards Redi-Mix
12-1/4"	8-5/8" J-55 24# ST&C	0' - 350'	To surface (±263 sks Class G)
7-7/8"	5-1/2" K-55 17# LT&C	0' - 6,158'	T.D. to 2,000' (±120 sks Type "V" + 390 sks 50:50-Class G:Poz)

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☒ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER

☒ COMPLETE DRILLING PLAN

☒ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER  
Ouray Municipal Water Plant or Target's Trucking Inc. Water Supply #49-1501

☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mark Rothenberg TITLE Senior Engineer for:  
Vantage Energy Uinta LLC  
SIGNATURE [Signature] DATE July 17, 2008

(This space for State use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

API NUMBER ASSIGNED: 43-013-34037

APPROVAL:

Date: 07-22-08  
(See Instructions on Reverse Side)

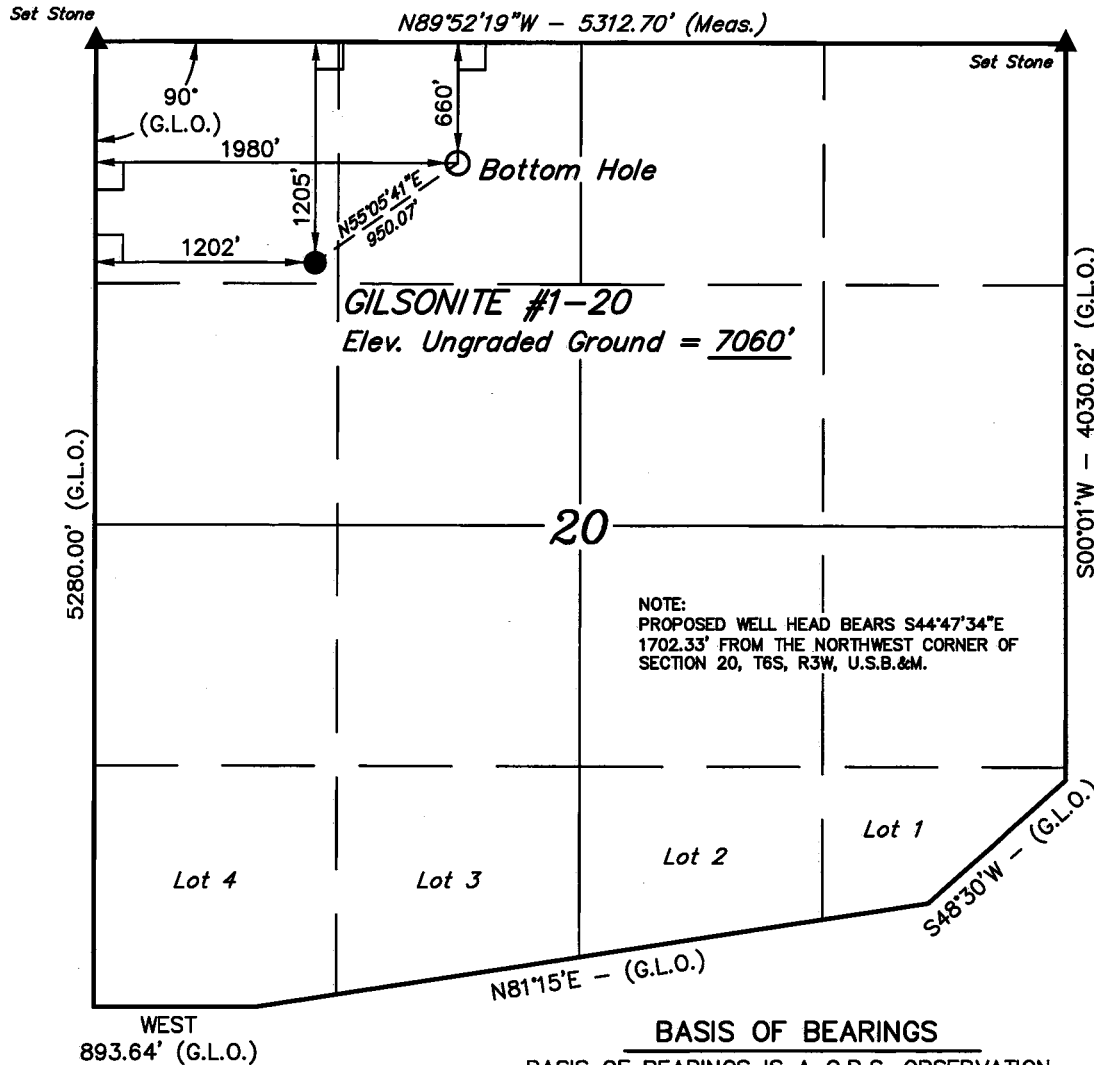
By: [Signature]

RECEIVED

JUL 18 2008

DIV. OF OIL, GAS & MINING

# T6S, R3W, U.S.B.&M.



## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

## LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

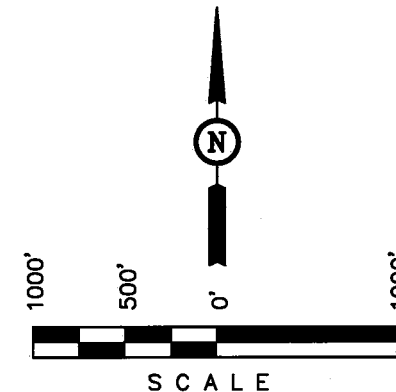
AUTONOMOUS NAD 83 (TARGET BOTTOM HOLE)	AUTONOMOUS NAD 83 (SURFACE LOCATION)
LATITUDE = 39°57'03.10" (39.950861)	LATITUDE = 39°56'57.73" (39.949369)
LONGITUDE = 110°14'57.35" (110.249264)	LONGITUDE = 110°15'07.35" (110.252042)
AUTONOMOUS NAD 27 (TARGET BOTTOM HOLE)	AUTONOMOUS NAD 27 (SURFACE LOCATION)
LATITUDE = 39°57'03.23" (39.950897)	LATITUDE = 39°56'57.86" (39.949406)
LONGITUDE = 110°14'54.80" (110.248556)	LONGITUDE = 110°15'04.80" (110.251333)

## Vantage Energy Uinta LLC

Well location, GILSONITE #1-20, located as shown in the NW 1/4 NW 1/4 of Section 20, T6S, R3W, U.S.B.&M. Duchesne County, Utah.

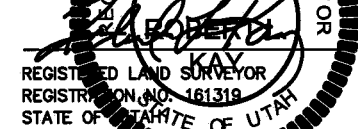
## BASIS OF ELEVATION

GILSONITE TRIANGULATION STATION LOCATED IN THE SE 1/4 OF SECTION 13, T6S, R4W, U.S.B.&M. TAKEN FROM THE ANTHRO MOUNTAIN NE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7370 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 06-19-08

**UTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 04-26-05	DATE DRAWN: 05-09-05
PARTY S.H. L.M. C.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Vantage Energy Uinta LLC	



June 30, 2008

Ms. Diana Mason  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Ste. 1210  
Salt Lake City, Utah 84114

Re: Directional Drilling R649-3-11  
Vantage Energy Uinta LLC, Gilsonite 1-20  
1,205' FNL, 1,202' FWL, NW NW Section 20, T6S, R3W, USBM (surface)  
660' FNL, 1,980' FWL, NE NW Section 20, T6S, R3W, USBM (bottomhole)  
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Vantage Energy Uinta LLC's (Vantage) Application for Permit to Drill regarding the above referenced well on June 30, 2008, we are hereby submitting this letter in accordance with Oil and Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Vantage's Gilsonite 1-20 is an exploratory well located within the Ashley National Forest.
- Vantage is permitting this well as a directional hole in order to minimize surface disturbance. The well pad will partially overlies a previously drilled exploratory test, the Sinclair Gilsonite Draw 1. Vantage will reuse a significant portion of the original well site disturbed areas for part of the well pad and access road.
- Vantage wishes to avoid potential conflict with the previously drilled wellbore, particularly during stimulation operations, by placing the bottomhole location some distance away from the surface location.
- The proposed bottomhole location would allow for future evenly-spaced 40 acre development as the bottomhole coordinates are in the center of the NE NW quarter quarter of the section.

Vantage hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and within Section 20 (federal oil and gas lease UTU 078237).

**Vantage Energy Uinta LLC**  
**Gilsonite 1-20**  
 1205' FNL, 1202' FWL  
 Sec. 20, T6S R3W  
 Duchesne County, Utah  
 Federal Lease UTU-78237

**NINE POINT DRILLING PROGRAM**

(All drilling procedures will comply with BLM *Onshore Oil and Gas Orders 1 and 2*)

**Operator respectfully requests that all information regarding this well be kept confidential.**

**a) GEOLOGIC MARKERS**

Anticipated tops of geologic markers are indicated in **Table 1**

**Table 1 Estimated Tops of Geologic Markers**

Formation	Vertical Depth	Measured Depth	Subsea Depth	Description
Green River	Surface	Surface	7,072'	Sandstone/siltstone/shale
Green River Upper Marker	1,764'	1,777'	5,308'	Sand and Siltstone
Mahogany	2,243'	2,264'	4,829'	Oil Shale
Douglas Creek	4,004'	4,054'	3,068'	Sandstone/siltstone/shale
Black Shale	4,654'	4,715'	2,418'	Sandstone/siltstone/shale
Castle Peak	4,936'	5,001'	2,136'	Sandstone/siltstone/shale
Uteland Butte	5,370'	5,442'	1,702'	Carbonate/shale/sandstone
Wasatch	5,574'	5,650'	1,498'	Shale/sandstone
Total Depth	6,074'	6,158'	998'	TD ± 500' TVD into Wasatch

Surface Elevation: 7,060' (Ground) 7,072' (Est. KB). Proposed Total Depth: 6,158' / 6,074' (MD/TVD)

**b) DEPTHS OF WATER AND MINERAL-BEARING ZONES**

Potential water-bearing zones in the vicinity include the Wasatch and Green River formations (Robson and Banta, 1995. *Ground Water Atlas of the United States Segment 2*, Hydrologic Investigations Atlas 730-C, U.S. Geological Survey, Reston, VA). A review of data from the Utah Division of Water Rights indicated no permitted water wells within three miles of the proposed location. Utah Division of Oil, Gas, and Mining surface casing depth requirements will protect potential aquifers in the area.

The depths to potential water and/or mineral-bearing zones are indicated in **Table 2**.

**Table 2: Principal Anticipated Water and Mineral-bearing Zones**

Formation	Measured Depth	Subsea	Potential Contents
Green River	Surface	7,072'	Surface

Green River Upper Marker	1,777'	5,308'	Possible Water
Mahogany	2,264'	4,829'	Possible Water
Douglas Creek	4,054'	3,068'	Oil / Gas
Black Shale	4,715'	2,418'	Oil / Gas
Castle Peak	5,001'	2,136'	Oil / Gas
Uteland Butte	5,442'	1,702'	Oil / Gas
Wasatch	5,650'	1,489'	Oil / Gas

### c) MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT

The maximum anticipated surface pressure for this well is calculated to be **1,336 psi**. Therefore, rules for a 2,000 psi rated BOP and choke manifold system are applicable. However, the typical rig inventory will consist of a 3,000 psi rated BOP and choke manifold. As such, the rig's BOP and choke manifold equipment will be tested to the standards for a 2,000 psi BOP system. A diagram of the proposed 2,000 psi rated BOP stack configuration is shown in **Fig. 1**.

BOPs and choke manifold will be installed and pressure tested before drilling out from under surface casing (subsequent pressure tests will be performed whenever pressure seals are broken) and then will be checked daily as to mechanical operating condition. BOPs will be pressure tested at least once every 30 days. The annular preventer, pipe rams, and blind rams will be activated on each trip and Operator will conduct weekly BOP drills with the rig crew.

Ram type preventers and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly if a test plug is used. If a plug is not used, the stack assembly will be tested to the rated working pressure of the stack assembly or to 70% of the minimum internal yield of the casing, whichever is less. **Please see variance request at end of program for this section.**

Annular type preventers will be pressure tested to 50% of their rated working pressure. A Sundry Notice (Form 3160~5), along with a copy of BOP test report, shall be submitted to the BLM within 5 working days following the test. All casings strings will be pressure tested to 0.22psi/ft or 1,500psi, whichever is greater, not to exceed 70% of internal yield. **Please see variance request at end of program for this section.**

Casing shoe will be tested by drilling out from below the shoe and testing to the maximum expected mud weight as discussed in the mud program specifications below. Both manual and remote closing mechanisms will be installed on the BOP stack and will be readily available to the driller.

Statement on Accumulator System and Location of Hydraulic Controls

The drilling rig has not yet been selected for this well. Selection will take place after approval of this application. Manual and/or hydraulic controls will be in compliance with *Onshore Oil and Gas Order No. 2* for 2,000 psi systems. Irregardless of the rig selected, the rig's accumulator system shall have sufficient capacity to close all BOP's and retain 200 psi above precharge. The proposed pressure control equipment will meet or exceed standards specified in the Order.

**d) CASING PROGRAM**

Casing of quality equal to or better than that indicated in **Tables 3 and 4** will be used for this well. Actual casing used will be dependent on availability.

**Table 3 Proposed Casing Program**

Depth (MD)	Hole Diameter	Casing Diameter	Casing Weight and Grade
0 – ± 50'	20"	14"	Optional Conductor – Only if Required
0 – 350'	12 1/4"	8 5/8"	24# J55 ST&C, API New Pipe
0 – 6,158'	7 7/8"	5 1/2"	17# K55 LT&C, API New Pipe

**Table 4: Proposed Casing Specifications and Design Safety Factors**

Size	Collapse (psi)	Burst (psi)	Body Strength (1,000 lbs.)	Joint Strength (1,000 lbs.)	Thread	*Safety Factors		
						Burst Design (1.2)	Collapse Design (1.0)	Tension Design (1.4)
14"	NA – 0.219" wall structural and to seal shallow gravels to allow air drilling surface hole				Weld	NA	NA	NA
8 5/8" 24# J55	1,370	2,950	381	244	ST&C	1.42	6.27	4.17
5 1/2" 15.5# J55	4,040	4,810	248	217	LT&C	1.25	1.51	1.63

**\*Safety Factor Calculation Assumptions:****Surface Casing:**

**Burst Load:** Assumes greater of MASP (maximum anticipated surface pressure) exposure during a worse case kick scenario while drilling at total depth, with mud/gas mixture whose gradient is 0.22 psi/ft. OR, minimum required casing test pressure.

**MASP**

$$\begin{aligned}
 \text{Load} &= (\text{Formation Gradient} - 0.22 \text{ psi/ft}) * \text{Total Depth, TVD} \\
 &= (0.44 \text{ psi/ft} - 0.22 \text{ psi/ft}) * 6,074 \text{ ft.} \\
 &= 1,336 \text{ psi}
 \end{aligned}$$

**TEST PRESSURE**

Load = Greater of 1500 psig *or*  $0.70 \times 2950 = 2065$  psig

**SF Burst = 2,950 psi / 2,065 psi = 1.42**

**Collapse Load:** Assumes worse case loading of evacuated casing during cementing process.

Cement density = 12.0 ppg

Load =  $12.0 \text{ ppg} \times 0.052 \times 350 \text{ ft}$   
= 218.4 psi

**SF Collapse = 1370 psi / 218.4 psi = 6.27**

**Tension Load:** Assumes air weight at total depth + 50,000 lbs overpull design factor.

Load =  $(24 \text{ lbs/ft} \times 350 \text{ ft}) + 50,000 \text{ lbs overpull}$   
= 58,400 lbs

**SF Tension = 244,000 lbs / 58,400 lbs = 4.17**

**Test Pressure =**

**Production Casing**

**Burst Load:** Assumes maximum load applied during the hydraulic fracture stimulations. It is Vantage Energy's policy not to exceed 80% rating of the production casing during the stimulation treatment. The 80% rating factor will also be the casing test pressure.

Load =  $4810 \text{ psi} \times 0.80$   
= 3848 psi

**SF Burst = 4810 psi / 3848 psi = 1.25**

**Collapse Load:** Assumes worse case loading applied during the production cycle, with evacuated casing, and normally pressured formation gradient applied externally.

Load =  $0.44 \text{ psi/ft} \times 6074 \text{ ft}$   
= 2673 psi

**SF Collapse = 4040 psi / 2673 psi = 1.51**

**Tension Load:** Assumes buoyed weight of casing at total depth + 50,000 lbs overpull design factor.

Load =  $[15.5 \text{ lbs/ft} \times 6158 \text{ ft} \times ((65.5 - 8.6) / 65.5)] + 50,000 \text{ lbs}$   
= 90,941 lbs + 50,000 lbs  
= 132,917 lbs

**SF Tension = 217,000 lbs / 132,917 lbs = 1.63**

## e) CEMENT PROGRAM

Table 5: Proposed Cement Program

Depth	Hole Diameter	Casing Diameter	Cement
0' – ± 50'	20"	14"	Optional structural conductor if required: Grout with approximately 4 cubic yards of redi-mix back to surface (includes 100% excess)  <b>TOC: Surface (Top-off per visual observation)</b>
0' – 350'	12 1/4"	8 5/8"	<b><u>Single Slurry System (350' – Surface) + 40' Shoe Joint</u></b>  263 sks Class G + 2% CaCl <sub>2</sub> + ¼ lb/sk celloflake.  Density: 15.8 ppg Yield: 1.15 cuft/sk Water: 5.0 gal/sk Excess = 100%  <b>TOC: Surface (Top-off per visual observation)</b>
0' - 6,158'	7 7/8"	5 1/2"	<b><u>Lead System (4,000' – 2,000')</u></b> 120 sks Type "V" + 16% Gel + 10 lbs/sk gilsonite + 3% Salt + ¼ lb/sk celloflake  Density: 11.0 ppg Yield: 3.82 cuft/sk Water: 23.0 gal/sk *Excess: 30%  <b><u>Tail System (6,158' – 4,000') + 40' Shoe Joint</u></b> 390 sks 50:50 (Class G:Poz) + 2% gel + 10% salt + ¼ lb/sk celloflake  Density: 14.2 ppg Yield: 1.26 cuft/sk Water: 5.75 gal/sk *Excess: 30%

\*Note: The production hole cement volume will be determined by the caliper log, using caliper volume + 10% excess factor.

## f) MUD PROGRAM

The mud program for the proposed well is indicated in **Table 6**.



**Table 6 Proposed Mud Program (See attached Halliburton mud program)**

Interval (feet)	Mud Weight (lbs/gallon)	Viscosity (secs/qt)	Fluid Loss (ccs/30 min)	Mud Type
0 – ± 50'	NA	NA	NA	NA
Set optional 14" conductor with bucket rig				
50' - 350'±	NA	NA	N/C	Air/Mist
Run/cement 8 5/8" surface casing				
350'± - TD	8.5 – 8.6	28 - 38	< 20	KCL Water / PHPA / DAP
Run Logs – Run/cement 5 1/2" production casing				

Surface Hole Comments: Spud with “spudder rig” and air drill surface hole misting as may be required to assist with cuttings removal. Report any water encountered to the appropriate agencies. **Please see variance requests for this section.**

Production Hole Comments: Dump spud mud to reserve pit. Drill out surface casing with fresh water adding 6 ppb DAP (Diammonium Phosphate) for shale inhibition and corrosion control. Circulate the reserve pit and flocculate out drill solids. Use pre-hydrated gel and PHPA polymer mud sweeps to assist with hole cleaning. At approximately 3,600' “mud up” and “close in” the fluid system to a 2-3% KCL base fluid. Use PHPA PAC and lignite for filtration control. Maintain fluid system through potential production zones to TD. Should seepage losses be experienced, control with LCM sweeps consisting of calcium carbonate, sawdust, cedar fiber, or mica.

Sufficient mud materials will be maintained on location to adequately maintain mud properties and contain any well kicks. Monitoring equipment will be installed on site to detect changes in mud volume.

#### **g) LOGGING, CORING, AND TESTING PROGRAM**

The proposed logging program is indicated in **Table 7**.

**Table 7 Proposed Logging Program**

Log Suites	Depth Range	Remarks
DIL-SP-LD-CN	Surface Casing to TD	Standard "triple combo" equivalent with resistivity-spontaneous potential, litho-density, compensated neutron, gamma ray, and caliper Will pull GR to surface
Dipole Sonic	± 4,000' to TD	Optional – Operator's discretion Rock property data
Rotary Sidewall Cores	± 4,000' to TD	Optional – Operator's discretion PP/Lithology data (perm-porosity)

No coring or drill stem tests are planned. Mud logging unit will be operational from 200 feet above the Douglas Creek through total depth. Cuttings will be sampled every 20-30 feet.

Prospective zones from the Douglas Creek formation through total depth will be perforated, tested, and potentially acid-washed. It is anticipated that multi-stage hydraulic fracture stimulations of the reservoir will be required.

#### **h) ANTICIPATED PRESSURES AND HAZARDS**

No abnormal pressures are anticipated. Pressure gradient in the Green River and Wasatch sequence is expected to be sub-normal pressured to less than 0.44 psi/ft.

Estimated BHP Douglas Creek (4,004')	1,762 psi
Estimated BHP Wasatch (5,574')	2,453 psi
Estimated BHP Total Depth (6,074')	2,673 psi
Hydrostatic head of gas/mud	0.22 psi/ft.
<b>Maximum design surface pressure</b>	<b><math>0.44 - 0.22 \text{ psi/ft} \times 6,074 \text{ ft} = 1,336 \text{ psi}</math></b>

No H<sub>2</sub>S zones are anticipated. No abnormal lost circulation zones are anticipated. The proposed well is a southern extension test of development drilling being conducted by Berry Petroleum in T5S-R3W. In addition, the proposed well is located on a previously drilled well site, the Gilsonite Draw No. 1, which was drilled to a total depth of 10,508' in October 1961, by Sinclair Oil & Gas Company. There were no abnormal hazards reported during the drilling of this well.

#### **i) DIRECTIONAL PROGRAM (See attached directional plan by Multi-Shot LLC)**

The Gilsonite 1-20 will be drilled as a directional well, with a bottom hole located in the center of NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 20, T6S-R3W. The vertical section distance will be a planned distance of 950'. The bottom hole will be landed within a 50' radius target tolerance. The directional plan will consist of a "build-and-hold" profile, with a planned KOP of 500', a build rate of 1.5°/100', and a final hold inclination of 10.3 degrees.

The purpose of the directional well is twofold: 1) To gain distance away from the old wellbore, Gilsonite Draw No. 1, which was drilled in October 1961, to insure communication to this old wellbore does not occur during the stimulation treatments planned during the completion phase, and 2) to better position the well on a "perfect" 40-acre drainage pattern for future development considerations.

**j) OTHER INFORMATION**

Contact Information and Personnel

Mailing Address

Vantage Energy Uinta LLC  
116 Inverness Drive, Suite 107  
Englewood, CO 80112

Main Number: 303-386-8600

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Primary Contact: Mark Rothenberg

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Fax Direct: 303-386-8705

Mobile: 303-885-5462

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Drilling Operations: John Moran

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E-Mail: [John.Moran@VantageEnergy.com](mailto:John.Moran@VantageEnergy.com)

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Landman: Michael Holland

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Fax Direct: 303-386-8738

Mobile: 303-396-3443

E-Mail: [Michael.Holland@VantageEnergy.com](mailto:Michael.Holland@VantageEnergy.com)

**START DATE AND DURATION OF ACTIVITIES****Anticipated start date**

The drilling operations will commence as soon as possible following contracting of drilling rig and in compliance with restrictions imposed by lease stipulations and/or Conditions of Approval. It is therefore anticipated the access upgrade work and location work would commence on or about August 1, 2008, with a target spud date of August 15, 2008. It is anticipated the drilling phase will require 7 days.

**Completion**

The well pad will be of sufficient size to accommodate all required completion equipment and activities. It is anticipated select intervals will be perforated, stimulated and adequately tested for the presence of commercial hydrocarbons prior to moving uphole to the next prospective test interval. As such, it is anticipated the completion phase will require 45 days.

The total project duration is therefore estimated to be **52 days**, and therefore anticipated to be concluded on or about September 6, 2008.

A string of 2 7/8 inch 6.5 lb/ft. J-55 tubing would be run as the production tubing. A Sundry Notice will be submitted should there be any changes to the proposed completion program.

**VARIANCE REQUESTS**

1. Operator requests a variance to *Onshore Oil and Gas Order 2, Item B, No. 1h*, regulations requiring the surface casing be tested to the greater of 1500 psig, or 70% of the minimum internal yield.
  - a. The MASP for this well is calculated to be 1,336 psig, while the 70% yield rating is 2,065 psig.
  - b. Operator therefore requests approval to test the surface casing to the lesser value of 1,500 psig which is greater than the MASP value.
2. Operator requests a variance to *Onshore Oil and Gas Order 2, Item A*, regulations which outline test pressures for 3M pressure control systems.
  - a. The drilling contractor's standard inventory will consist of 3M pressure control systems; however, as cited above, the MASP for this well is calculated to be 1,336 psig. As such, 2M pressure control equipment is sufficient for the drilling of this well.
  - b. Operator therefore requests approval to test contractor's 3M BOPE to 2M pressure system standards. The double ram preventer will be tested to 2,000 psig, and the annular preventer will be tested to 1,500 psig. Safety valves and choke/kill valves and lines will all be tested to 2,000 psig.
3. Operator requests a variance to *Onshore Oil and Gas Order 2, Item E*, regulations for air/gas drilling operations. Operator plans to drill only the surface hole to a depth of 350', with a "spud rig", in a separate operation from the drilling rig. No hydrocarbons are present in the surface hole section and therefore, "gas" drilling is not applicable to this hole section. Therefore, for the purpose only of drilling the surface hole with an air rig, Operator requests the following four (4) variances from the order that states "...the

following equipment shall be in place and operational during air/gas drilling: (1) properly lubricated and maintained rotating head; (2) blooie line discharge one hundred feet (100') from wellbore; (3) automatic igniter or continuous pilot light on the blooie line; and (4) compressor located... a minimum of 100 feet (100') from the wellbore".

- a. Operator requests approval to use a diverter bowl rather than a rotating head as specified in the Order. The diverter bowl forces air and cuttings to the reserve pit and is only used to drill the surface hole (to a total depth of 350'). The surface hole section is non-hydrocarbon bearing, and therefore formation pressures will not require a pressure rated rotating head. Should water flows be encountered, they will be reported to the appropriate agencies.
- b. Operator requests approval to use a blooie line with a discharge length of less than the required one hundred feet (100') from the wellbore in order to minimize the well pad size, and to direct the cuttings into the reserve pit. The wellbore is to be located approximately thirty-five feet (35') from the reserve pit which is to be seventy feet (70') wide. Therefore, a one hundred foot (100') blooie line would blow cuttings across the reserve pit. The requested length of blooie line to drill the surface hole is thirty-five feet (35'). This is the distance necessary to reach the edge of the reserve pit, and to therefore direct cuttings into the reserve pit in a safe and efficient manner.
- c. Operator requests approval to operate without an automatic igniter or continuous pilot light on the blooie line. The surface hole section is non-hydrocarbon bearing and therefore does not require a continuous ignition source.
- d. Operator requests approval to use a trailer mounted air compressor located less than one hundred feet (100') from the wellbore in order to minimize the location size. The compressor will be located fifty feet (50') from the wellbore in an opposite direction of the blooie line. The compressor has the following safety features: (1) shut-off valve on the trailer located approximately fifteen feet (15') from the air rig; (2) pressure relief valve on the compressor; and (3) spark arrestors on the motors. The compressor will only be used for the drilling of the surface hole, which is non-hydrocarbon bearing.



Should there be any additional information you may require for the evaluation and approval of this request, please contact me at 303-386-8610.

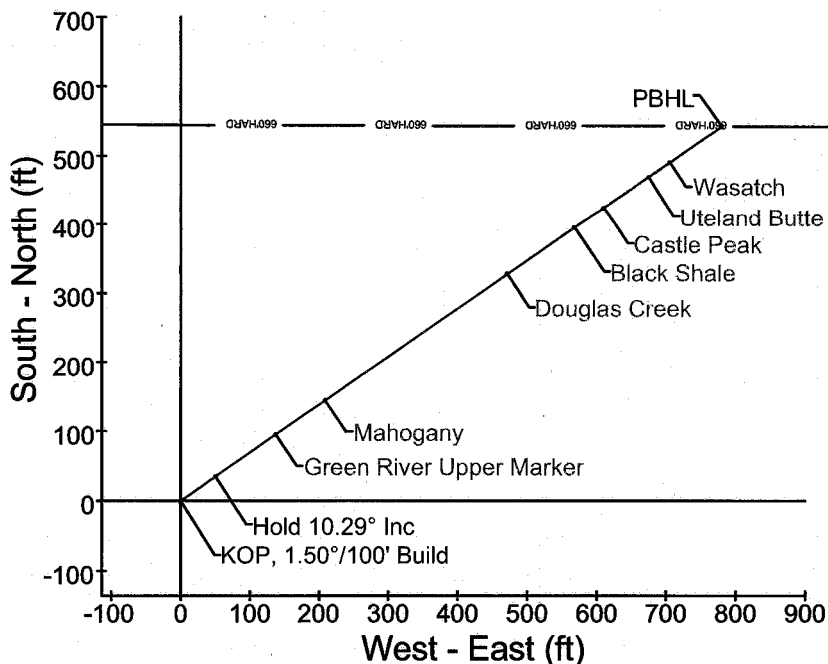
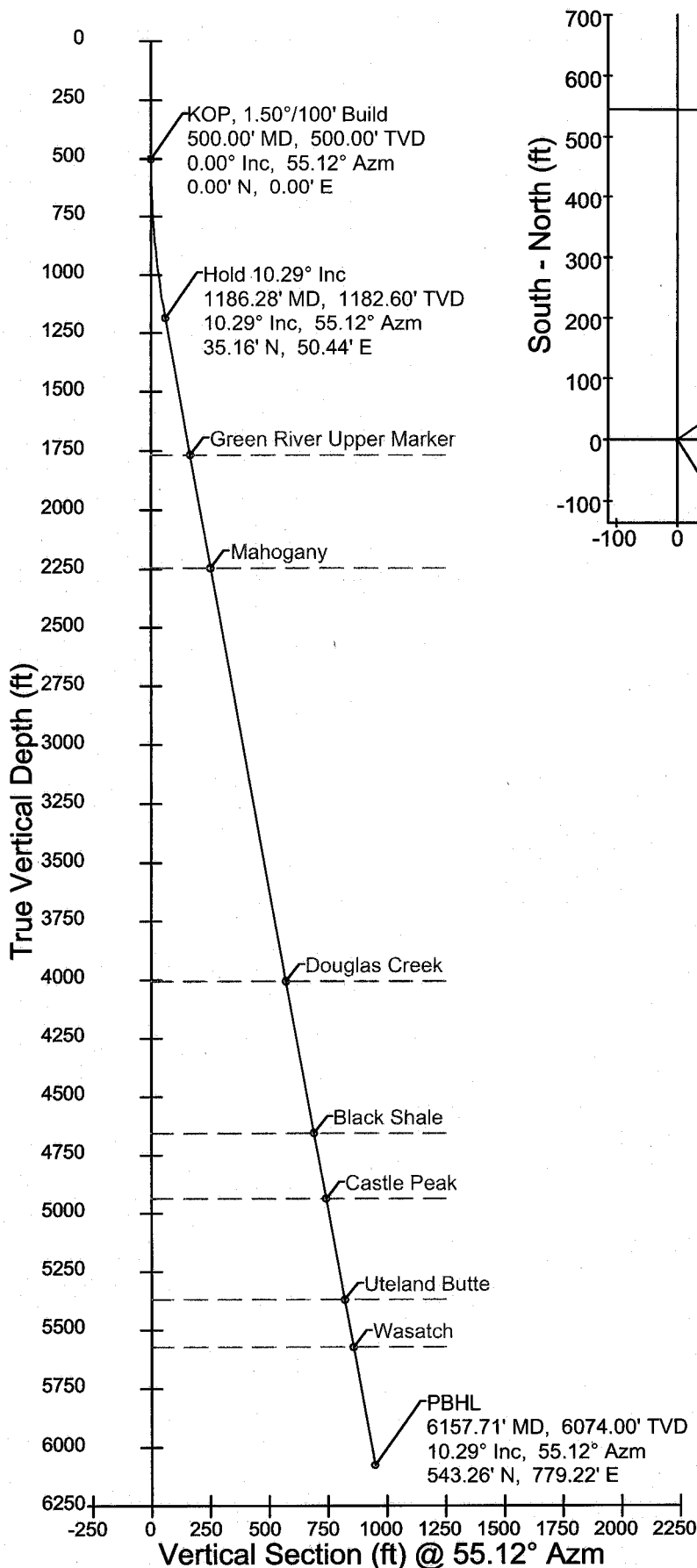
Sincerely,

VANTAGE ENERGY UINTELLC

John J Moran Jr

Senior Engineer

Attachments: Directional Well Plan  
Gilsonite 1-20



## Vantage Energy

Company: Vantage Energy  
 Well: Gilsonite #1-20  
 Location: Duchesne County  
 State: Utah  
 Rig: Frontier 5  
 Correction:  
 North: Referenced to Grid North



Subject: Prop Rev 0  
 File Name: P08349r0.dwg  
 Date: 06/25/08  
 Drawn By: Cindy Darland  
 Planning: (936) 442-2455  
 Fax: (936) 441-6620  
 Operations: (936) 441-6630  
 Fax: (936) 539-1075

**MULTI-SHOT**  
 WWW.MULTI-SHOTLLC.COM

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.



Job Number: P08-349  
 Company: Vantage Energy  
 Lease/Well: Gilsonite #1-20  
 Location: Duchesne County  
 Rig Name: Frontier 5  
 RKB: 12'  
 G.L. or M.S.L.: 7060'

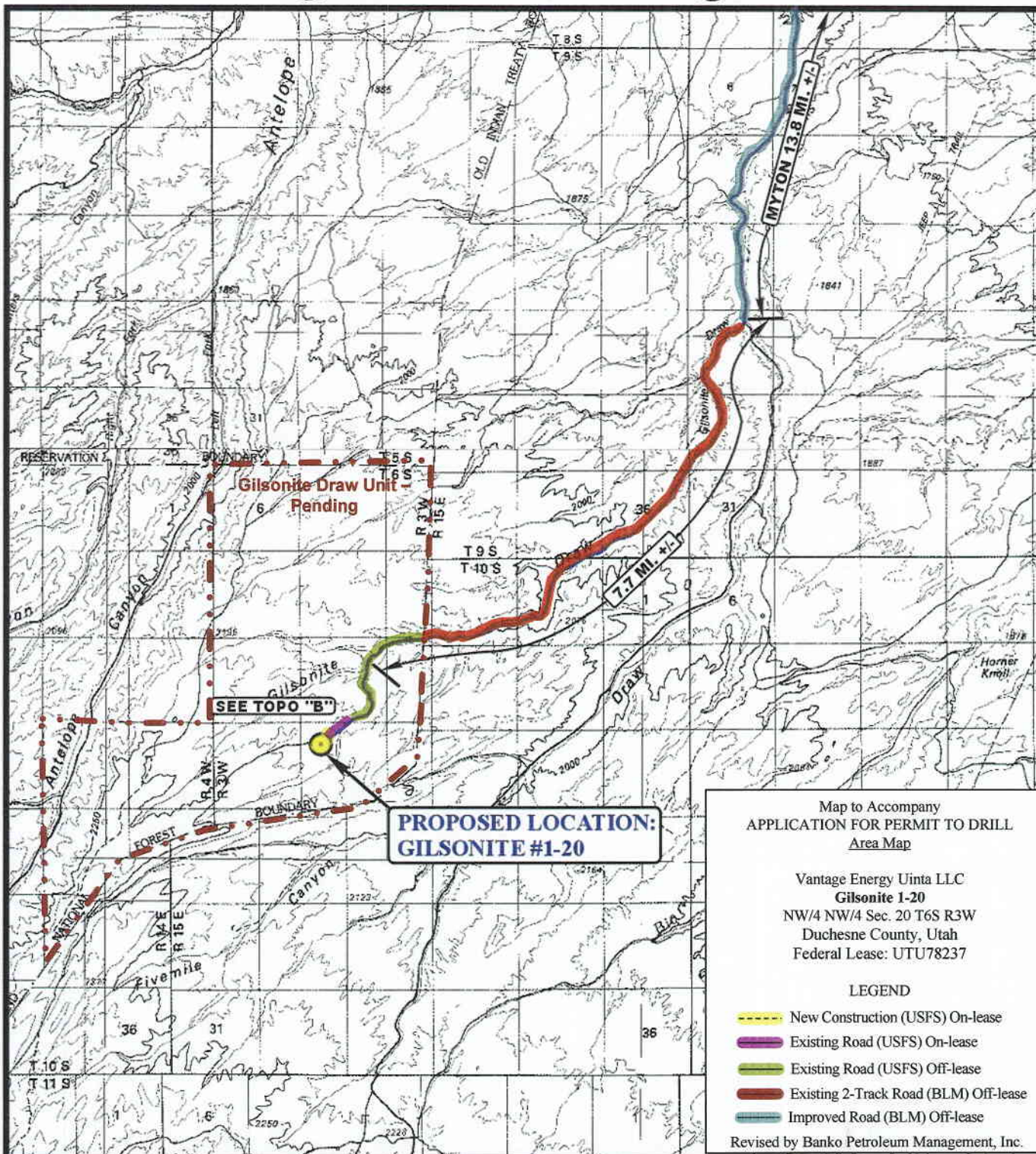
State/Country: Utah  
 Declination:  
 Grid: Referenced to Grid North  
 File name: F:\WELLPL~1\2008\PO8340'S\PO8349\08349.SVY  
 Date/Time: 25-Jun-08 / 10:59  
 Curve Name: Prop Rev 0

WINSERVE PROPOSAL REPORT  
 Minimum Curvature Method  
 Vertical Section Plane 55.12  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
<b>KOP, 1.50°/100' Build</b>									
500.00	.00	55.12	500.00	.00	.00	.00	.00	.00	.00
530.00	.45	55.12	530.00	.07	.10	.12	.12	55.12	1.50
560.00	.90	55.12	560.00	.27	.39	.47	.47	55.12	1.50
590.00	1.35	55.12	589.99	.61	.87	1.06	1.06	55.12	1.50
620.00	1.80	55.12	619.98	1.08	1.55	1.88	1.88	55.12	1.50
650.00	2.25	55.12	649.96	1.68	2.42	2.94	2.94	55.12	1.50
680.00	2.70	55.12	679.93	2.43	3.48	4.24	4.24	55.12	1.50
710.00	3.15	55.12	709.89	3.30	4.73	5.77	5.77	55.12	1.50
740.00	3.60	55.12	739.84	4.31	6.18	7.54	7.54	55.12	1.50
770.00	4.05	55.12	769.78	5.46	7.82	9.54	9.54	55.12	1.50
800.00	4.50	55.12	799.69	6.73	9.66	11.78	11.78	55.12	1.50
830.00	4.95	55.12	829.59	8.15	11.69	14.25	14.25	55.12	1.50
860.00	5.40	55.12	859.47	9.70	13.91	16.95	16.95	55.12	1.50
890.00	5.85	55.12	889.32	11.38	16.32	19.89	19.89	55.12	1.50
920.00	6.30	55.12	919.15	13.19	18.92	23.07	23.07	55.12	1.50
950.00	6.75	55.12	948.96	15.14	21.72	26.48	26.48	55.12	1.50
980.00	7.20	55.12	978.74	17.23	24.71	30.12	30.12	55.12	1.50
1010.00	7.65	55.12	1008.49	19.44	27.89	34.00	34.00	55.12	1.50
1040.00	8.10	55.12	1038.20	21.79	31.26	38.11	38.11	55.12	1.50
1070.00	8.55	55.12	1067.89	24.28	34.82	42.45	42.45	55.12	1.50



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
1100.00	9.00	55.12	1097.54	26.90	38.58	47.03	47.03	55.12	1.50
1130.00	9.45	55.12	1127.15	29.65	42.52	51.84	51.84	55.12	1.50
1160.00	9.90	55.12	1156.72	32.53	46.66	56.88	56.88	55.12	1.50
<b>Hold 10.29° Inc</b>									
1186.28	10.29	55.12	1182.60	35.16	50.44	61.49	61.49	55.12	1.50
<b>Green River Upper Marker</b>									
1777.20	10.29	55.12	1764.00	95.56	137.06	167.09	167.09	55.12	.00
<b>Mahogany</b>									
2264.04	10.29	55.12	2243.00	145.31	208.43	254.08	254.08	55.12	.00
<b>Douglas Creek</b>									
4053.85	10.29	55.12	4004.00	328.24	470.80	573.93	573.93	55.12	.00
<b>Black Shale</b>									
4714.48	10.29	55.12	4654.00	395.76	567.65	691.99	691.99	55.12	.00
<b>Castle Peak</b>									
5001.09	10.29	55.12	4936.00	425.05	609.66	743.21	743.21	55.12	.00
<b>Uteland Butte</b>									
5442.19	10.29	55.12	5370.00	470.13	674.33	822.03	822.03	55.12	.00
<b>Wasatch</b>									
5649.53	10.29	55.12	5574.00	491.32	704.72	859.09	859.09	55.12	.00
<b>PBHL</b>									
6157.71	10.29	55.12	6074.00	543.26	779.22	949.90	949.90	55.12	.00



# **LEGEND:**

**PROPOSED LOCATION**



**Vantage Energy Uinta LLC**

**GILSONITE #1-20**  
**SECTION 20, T6S, R3W, U.S.B.&M.**  
**1205' FNL 1202' FWL**



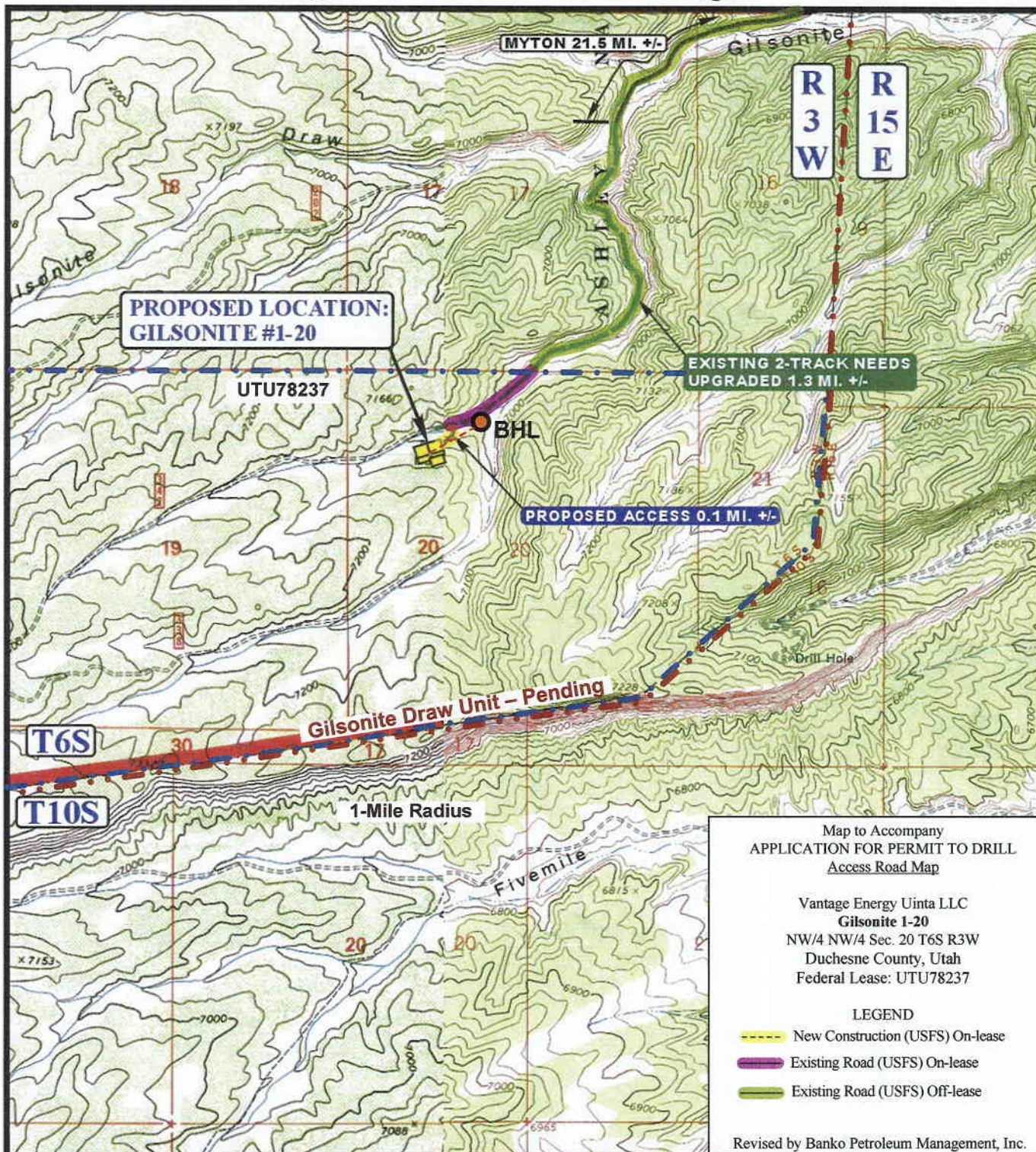
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** **05 03 05**  
**MAP** MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: S.L. REVISED: 06-25-08







Map to Accompany  
APPLICATION FOR PERMIT TO DRILL  
Access Road Map

Vantage Energy Uinta LLC  
Gilsonite 1-20  
NW/4 NW/4 Sec. 20 T6S R3W  
Duchesne County, Utah  
Federal Lease: UTU78237

**LEGEND**

- New Construction (USFS) On-lease
- Existing Road (USFS) On-lease
- Existing Road (USFS) Off-lease

Revised by Banko Petroleum Management, Inc.

**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- PROPOSED ESCAPE ROUTE



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**Vantage Energy Uinta LLC**

**GILSONITE #1-20**  
**SECTION 20, T6S, R3W, U.S.B.&M.**  
**1205' FNL 1202' FWL**

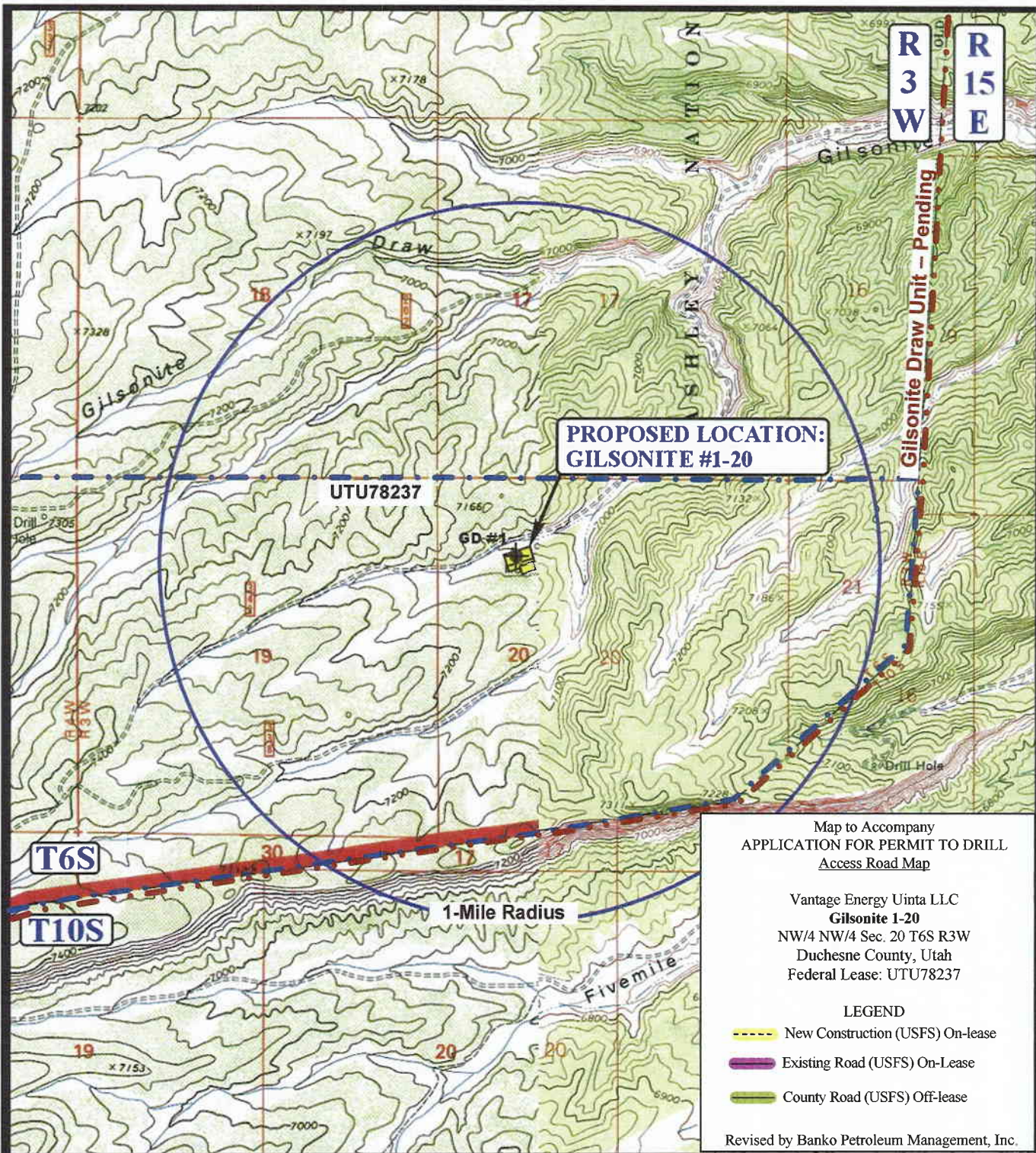
**TOPOGRAPHIC**  
**MAP**

**05** **03** **05**  
MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 06-25-08





# **LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



## **Vantage Energy Uinta LLC**

**GILSONITE #1-20**  
**SECTION 20, T6S, R3W, U.S.B.&M.**  
**1205' FNL 1202' FWL**

**TOPOGRAPHIC  
MAP**

**05 03 05**  
MONTH DAY YEAR

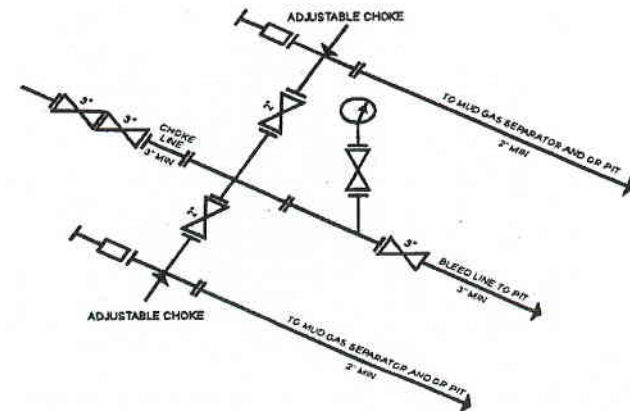
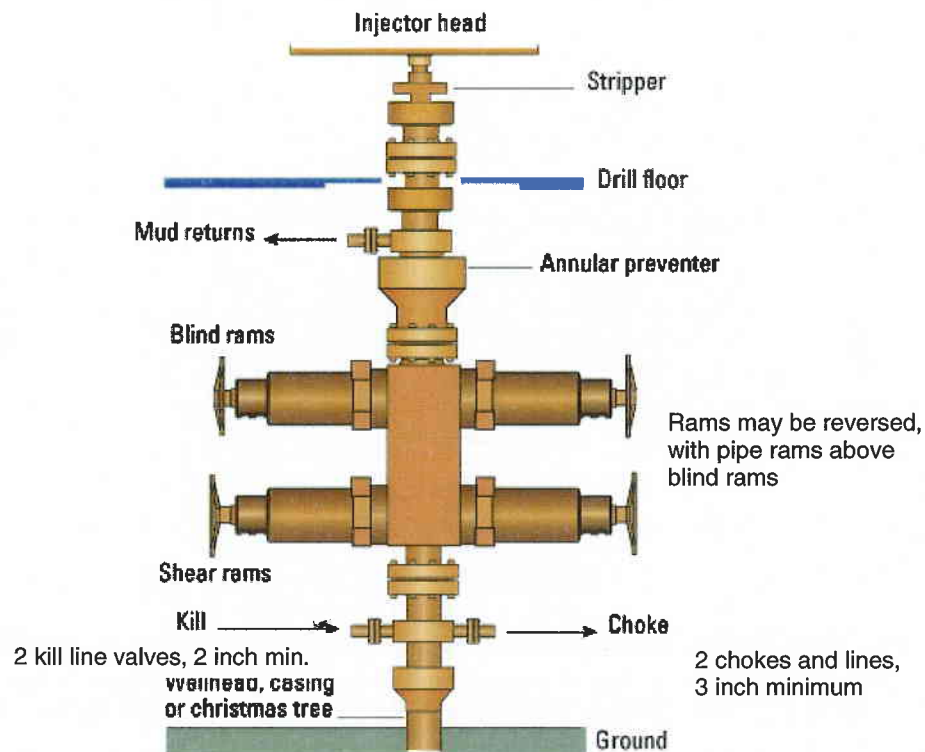
SCALE: 1" = 2000' DRAWN BY: S.L. REVISED: 06-19-08





**Figure 1: Pressure Control Schematic**  
**Operator and Well Name**  
**Location**  
**County and State**

**Generalized Setup for 2,000 psi Working Pressure System**  
**Actual BOP Stack Used May Vary in Some Details**



**3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY**  
 [54 FR 39528, Sept. 27, 1989]

**Installed BOP Stack Will Meet All Requirements of BLM Onshore Oil and Gas Order 2**

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/18/2008

API NO. ASSIGNED: 43-013-34037

WELL NAME: GILSONITE 1-20

OPERATOR: VANTAGE ENERGY UINTA ( N3295 )

CONTACT: MARK ROTHENBERG

PHONE NUMBER: 303-386-8600

PROPOSED LOCATION:

NWNW 20 060S 030W

SURFACE: 1205 FNL 1202 FWL

BOTTOM: 0660 FNL 1980 FWL

COUNTY: DUCHESNE

LATITUDE: 39.94932 LONGITUDE: -110.2511

UTM SURF EASTINGS: 563976 NORTHINGS: 4422191

FIELD NAME: WILDCAT ( 1 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU78237

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. LPM8907971 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 49-1501 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

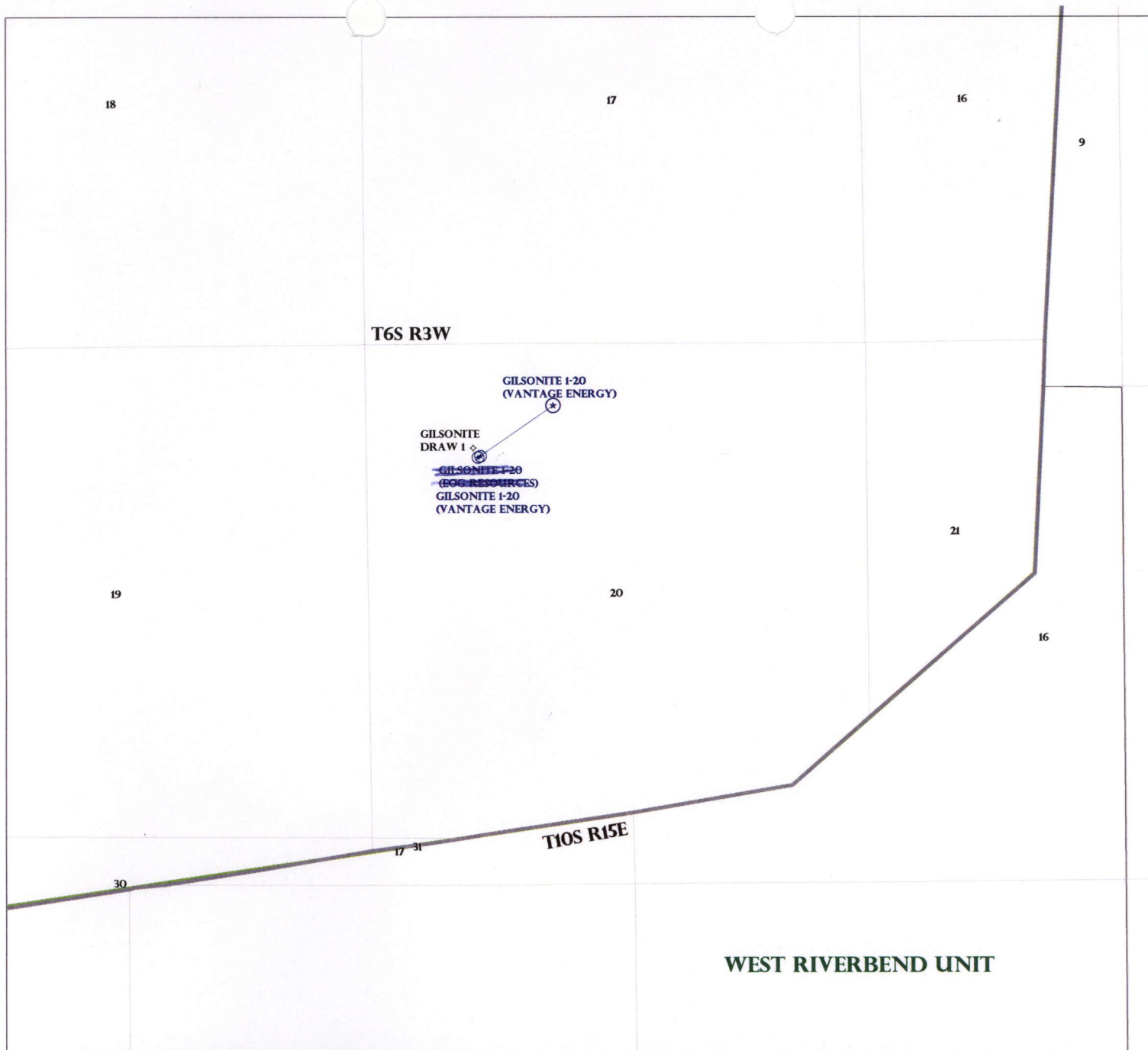
LOCATION AND SITING:

☐ R649-2-3.  
Unit: \_\_\_\_\_  
☐ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☐ R649-3-3. Exception  
☐ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
☒ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1- Spacing Strip  
2- Spacing Strip



OPERATOR: VANTAGE ENERGY (N3295)

SEC: 20 T.6S R.3W

FIELD: WILDCAT (001)

COUNTY: DUCHESNE

SPACING: R649-3-11 / DIRECTIONAL DRILLING

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA MASON  
DATE: 22-JULY-2008



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 22, 2008

Vantage Energy Uinta LLC  
116 Inverness Dr. East, Ste.107  
Englewood, CO 80112

Re: Gilsonite 1-20 Well, Surface Location 1205' FNL, 1202' FWL, NW NW, Sec. 20,  
T. 6 South, R. 3 West, Bottom Location 660' FNL, 1980' FWL, NE NW, Sec. 20,  
T. 6 South, R. 3 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34037.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office





Operator: Vantage Energy Uinta LLC  
Well Name & Number Gilsonite 1-20  
API Number: 43-013-34037  
Lease: UTU-78237

Surface Location: NW NW Sec. 20 T. 6 South R. 3 West  
Bottom Location: NE NW Sec. 20 T. 6 South R. 3 West

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: Gilsonite (Exxon Mobil Corp.)  
LEASE NUMBER: UTU78237

and hereby designates

NAME: Vantage Energy Uinta LLC  
ADDRESS: 116 Inverness Drive East, Suite 107  
city Englewood state CO zip 80112

as his (check one) agent ☐ / operator ☒, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)

UTU78237 - VERNAL FIELD OFFICE DUCHESNE ASHLEY NF:  
T6S R3W Sec. 18: ALL; T6S R3W Sec. 19: ALL; T6S R3W Sec. 20: ALL; T6S R3W Sec. 21: ALL;  
T6S R3W Sec. 29: ALL; T6S R3W Sec. 30: ALL

P&A: Gilsonite Draw 1 - API No. 43-013-11086

Proposed: Gilsonite 1-20 - API No. 43-013-32939 - RETURNED

Resubmitted as 43-013-34037  
Sec 20 T6S R3W

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

Effective Date of Designation: 06/30/2008

BY: (Name) CHARLES E. ARNOLD  
(Signature) [Signature]  
(Title) ATTORNEY-IN-FACT  
(Phone) 713-431-2068

OF: (Company) Exxon Mobil Corporation Lessee  
(Address) PO Box 4610  
city Houston  
state TX zip 77210-4610

(5/2000)

RECEIVED

AUG 06 2008

DIV. OF OIL, GAS & MINING

UNITED STATES RECEIVED  
DEPARTMENT OF THE INTERIOR FIELD OFFICE  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

2008 JUL 7 PM 2 35  
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator **Vantage Energy Uinta LLC**  
E-mail: mark.rothenberg@vantageenergy.com  
Contact: Mark Rothenberg

3a. Address 116 Inverness Drive East, Suite 107  
Englewood CO 80112  
3b. Phone No. (include area code) 303-386-8600

4. Location of Well (Report location clearly and in accordance with any State Requirements.)  
At surface 1205' FNL, 1202' FWL (NW/NW)

At proposed production zone ±660' FNL ±1,980' FWL Sec. 20 T6S R3W (NE/4 NW/4)

14. Distance in miles and direction from nearest town or post office. \*  
21.5 MILES SOUTHWEST OF MYTON, UTAH

15. Distance from proposed location to nearest  
property or lease line, ft. (Also nearest Drig,  
unit line, if any) LEASE/DRLG UNIT  
4,075FT/115FT

16. No. of acres in lease  
2089

17. Spacing Unit dedicated to this well  
40 ACRES

18. Distance from proposed location \*  
to nearest well, drilling, completed or applied  
for, on this lease, ft. SEE TOPO MAP "C"

19. Proposed depth 6,158 MD  
6,074' TVD

20. BLM/BIA Bond No. on file  
UTB000288

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
7062.1 FT GRADED GROUND

22. Approximate date work will start \*  
7/1/2006

23. Estimated duration  
45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

  
Title Senior Engineer for: Vantage Energy Uinta LLC

Name (Printed/Typed)

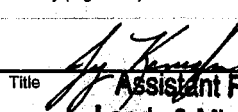
Mark Rothenberg

303-386-8600

Date

October 27, 2005

Approved by (Signature)

  
Title Assistant Field Manager  
Lands & Mineral Resources

Name (Printed/Typed)

JERRY KENIZKA

Date

8-6-2008

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

(continued on page 2)

RECEIVED

AUG 12 2008

DIV. OF OIL, GAS & MINING

\*(Instructions on page 3)

NOTICE OF APPROVAL

UDOGM

08CX50112A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Vantage Energy Uinta LLC  
Well No: Gilsonite 1-20  
API No: 43-013-34037

Location: NWNW, Sec. 20, T6S, R3W  
Lease No: UTU-78237  
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

See Attached Forest Service Surface Use Plan of Operations (SUPO) - Conditions of Approval.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- All 2M BOPE shall meet the requirements of Onshore Order #2, including the requirement for ram preventers to be one pipe ram and one blind ram. If 3M BOPE equipment is provided by the drilling contractor, the BOPE equipment shall be tested to 2M BOPE test requirements.
- The top of the production casing cement shall extend a minimum of 200 feet above the surface casing shoe.
- Test surface casing to the greater of .22 psi/ft casing length (77 psi) or 1500 psi.

**Variances Granted:**

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 35' from the well bore.
- Automatic igniter or continuous pilot light on the blooie line. Variance granted to not have an igniter or continuous pilot light, only drilling to 350' and Uinta is usually not hydrocarbon bearing in this area.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressor located 50 feet from the well bore on the opposite side from the blooie line.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or



data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Vantage Energy Unit

Well Name & Number: Gilsonite 1-20

Lease number: UTU-78237

Location: NWNW Sec 20, T6S, R3W

Surface Ownership: FS

Date: 07/30/2008

Date APD Received: 10/28/2005

NOS Received:

The following is a list of conditions of approval, for the proposed well noted above, which are being required by the Ashley National Forest. These conditions are in addition to those listed in the Surface Use Plan of Operations (SUPO) and APD that were submitted for the proposed well.

*Paleontology*

- A qualified Paleontologist will monitor construction activities for the proposed well pad and access road. If significant paleontological resources are discovered, construction activities would be halted and the USFS notified. Operations in the area of the discovery would not resume until authorization to proceed has been received from the USFS.

*Vegetation Resources*

- To reduce the spread/introduction of noxious and invasive weed species via project-related vehicles and equipment into the Project Area, Vantage and its contractors would power-wash all construction equipment and vehicles prior to the start of construction.
- During the construction phase of the project, Vantage will implement an intensive reclamation and weed control program after each segment of project completion. Vantage will reseed all portions of well pads and the ROW not utilized for the operational phase of the project, as well as any sites within the Project Area determined necessary by the USFS. Reseeding will be accomplished using native plant species indigenous to the Project Area. Post-construction seeding applications will continue until determined successful by the USFS. Weed control will be conducted through an Approved Pesticide Use and Weed Control Plan from the Authorized Officer. Weed monitoring and reclamation measures will be continued on an annual basis (or as frequently as the Authorized Officer determines) throughout the 30 year life of the project.

*Wildlife Protection*

- Prior to any surface disturbing activity between April 30 and August 31, Vantage or their contractor, in coordination with a USFS Biologist, would survey all areas within 0.25 mile of proposed surface disturbance for the presence of raptor nests. If occupied/active raptor nests are found, construction would not occur during the critical nesting season for that species within the species-specific spatial buffer, unless the nest is obscured from visual or noise-related impacts through vegetative or topographic screening. USFS biologists would determine spatial buffers based on site-specific vegetative and topographic features within the vicinity of occupied nests.
- Well pad and road construction, roads upgrading, and drilling operations will not be conducted between November 15 and April 30, to protect elk winter range.

#### *Access Roads*

- Construction or upgrading of roads would not be allowed during muddy or frozen conditions. Should mud holes develop, they would be filled in and detours around them are not allowed.
- Where road developments cross existing cattle fences, cattle guards will be installed and fences will be repaired to functioning condition.
- As needed, Berry would apply water to utilized roads to reduce fugitive dust from vehicle traffic. If water application does not adequately reduce fugitive dust, the use of Magnesium Chloride (MgCl) would be considered.
- Road drainage crossings for new or upgraded roads will be designed so they do not cause siltation or accumulation of debris in the drainage crossing, and drainages will not be blocked by the roadbed.

#### *Pipelines*

- Where possible, pipelines will be buried along major access corridors and in areas where surface pipelines would be at risk from environmental hazards (stream crossings, debris flow fans, etc.).

#### *Soils / Water / Floodplains / Wetlands*

- Vegetation and/or structural measures to control erosion will be implemented as soon as possible after initial soil disturbance to prevent erosion of disturbed soils.
- Energy dissipaters such as straw bales and silt fences may be required to prevent excess erosion of soils from disturbed areas into adjacent surface waters or floodplains. These structures would be installed during construction, and would be left in place and maintained for the life of the project or until the disturbed slopes have re-vegetated and stabilized.

### *Noise*

- Pump jack engines would be equipped with high grade mufflers to reduce noise during the operational life of the project.

### *Reserve Pit or Closed Loop*

- All pits containing materials that might be hazardous to wildlife would be covered with steel mesh screen or netting to prevent entry by migratory birds, bats, or other wildlife species.
- The reserve pit would be lined with 20 mil synthetic reinforced material. The liner would overlay a felt liner pad which would protect the liner from punctures if rock is encountered during excavation.
- Transport the cuttings off-site and off-Forest for disposal at an appropriate and approved disposal facility.
- Bury the cuttings on-site, with at least 3 feet of cover materials, in a constructed pit within the cut portion of the well pad. While not optimal, this would effectively remove the cuttings materials from the surface, and from surface runoff, and minimize potential impacts to other surface resources. The disposal pit must be constructed within the cut (not fill) portion of the well pad to ensure the cuttings are not re-exposed at the surface during final well pad reclamation.
- Return to using reserve pits, as described and analyzed in the original approval for your current drilling operations.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Produced wastewater for the above well will be disposed with RN Industries at their Bluebell disposal facility located in Section 9, T2S, R2W, Duchesne County, Utah.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

**RECEIVED**  
**AUG 18 2008**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date

8/12/08

**DIV. OF OIL, GAS & MINING**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# DIVISION OF OIL, GAS AND MINING

WELLS  
DIVISION

## SPUDDING INFORMATION

Name of Company: Vantage Energy Uinta, LLC

Well Name: Gilsonite 1-20

API No: 43-013-34037 Lease Type: Federal

Section 20 Township 06S Range 03W County Duchesne

Drilling Contractor \_\_\_\_\_ Rig # \_\_\_\_\_

### SPUDDED:

Date 9-05-08

Time \_\_\_\_\_

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by John

Telephone # 303-249-2234

Date 9-08-08 Signed RM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

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UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

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Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

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43-013-34037

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drilling Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Weekly Drilling Activity Report from 9/15/08 to 09/21/08.

Last trace of gilsonite in samples reported at 1630' TVD.  
Last trace of oil stain in shale cuttings reported at 3400' TVD.

T.D. of 6190' M.D. (6105' T.V.D.) reached on 9/20/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date

9/22/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**SEP 25 2008**

**DIV. OF OIL, GAS & MINING**

9/15/2008 Drilling Directional 1370' - 1551' B.O.P. Drill  
T.O.O.H. To Casing / Engine Down  
Rig Service  
Mechanic Replaced 2 Fuel Injectors  
T.I.H.  
Drilling Directional 1551' - 2588'

9/16/2008 Drilling Directional 2588' - 2820'  
Repair Rig Shale Shakers (Electrical)  
Drilling Directional 2820' - 3140'  
Rig Service  
Drilling Directional 3140' - 3850'

9/17/2008 Drilling Directional 3850' - 4076  
Circ Bottoms Up & Pump Trip Pill  
T.O.O.H. With D.P.  
T.O.O.H. With D.C.  
Change Out Bit & Mud Motor (Mud Motor Plugged From Trip Pill)  
Rig Service  
T.I.H. With B.H.A. & B.H.A.  
Wash & Ream 60'  
Drilling Directional 4076' - 4124'

9/18/2008 Drilling Directional 4124' - 5158'

9/19/2008 Drilling Directional 5158' - 5475'  
Rig Service  
Drilling Directional 5475' - 5506'  
Circulate High Vis Sweep Around - Gas Check  
T.O.O.H. For Bit  
Change Bit Out & Check Motor  
Repair Hydraulic Oil Leak On Carrier Power End  
T.I.H.

9/20/2008 T.I.H.  
Wash & Ream 135'  
Drilling Directional 5517' - 5832'  
Rig Service  
Drilling Directional 5832' - 6190'  
Circ & Cond - Pump High Vis Cleaning Sweep's 1 Each 20 min for 2  
T.O.O.H. to 4700' (Wipper Trip - Halliburton Wire Line Delayed)  
T.D. Time 02:30 AM

9/21/2008 Wiper Trip 25 Joints 1125'  
Circulate & Condition Hole  
T.O.O.H. For Logs - Lay Down Directional Tools

**CONFIDENTIAL**



J.S.A.M. With Pre Operations Meeting For Wire Line Log's  
Rig Up Logging Tool's  
Run In Hole Logging - Tag bridge 6100' P.U. & Drop Through, Tag Bridge 6190' P.U. (Stuck)  
Try Working Free While Waiting On Fishing Tool's - Max. Pull 12K  
J.S.A.M. With Pre Operations Meeting For Rig Up Of Fish Tools & Fishing Procedure  
P.U. Fishing Tools & Re Hang Wire Line Sheaves  
Bottom Of Logging Tool at 6160' - Top at 6062'

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Vantage Energy Uinta LLC Operator Account Number: N 3295  
Address: 116 Inverness Drive East #107  
city Englewood  
state CO zip 80112 Phone Number: (303) 386-8600

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334037	Gilsonite 1-20		NWNW	20	6S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	17118	9/6/2008			9/30/08	
Comments: <u>WSTC BHL = NENW</u> <b>CONFIDENTIAL</b>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301332942	Nutters Canyon 1-2		NWNW	2	7S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	17119	9/18/2008			9/30/08	
Comments: <u>WSTC BHL = NWNW</u> <b>CONFIDENTIAL</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Mark Rothenberg

Name (Please Print)

Signature

Senior Engineer

Title

9/30/08  
Date

**RECEIVED**

**SEP 30 2008**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drilling Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Weekly Drilling Activity Report from 9/22/08 to 09/28/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date 9/29/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**OCT 02 2008**

**DIV. OF OIL, GAS & MINING**

- 9/22/2008 W.O. Crane  
 Rig Crane To Handle Top Wire Line Sheave Over Derrick  
 T.I.H. Cut & Slip Halliburton Wire Line / Lost Wire Line Down Hole - Hit Retainer With D.P. Loosing Wire Line  
 T.O.O.H. - Lay Down Slip Assm & Overshot Rig Down & Release Crane  
 Waite On Fishing Tools  
 J.S.A.M. & Make Up Tools - Fishing Tools Listed In B.H.A. Report  
 T.I.H. - Set Down On Bridge - P.U. Stuck @ 755'  
 Work Pipe 755' - 710' Jar's Gave Up, No Free Play Possibly Stuck Above Jars  
 Work Pipe & Waite On Jars
- 9/23/2008 Work Pipe / Came Free  
 T.O.O.H. With Fishing Tools & Lay Down Slough Fishing  
 W.O. Fishing Tools  
 Make Up Fishing Tools Weatherford Fishing  
 Trip In 755' To Fish  
 Run 1 Retrived 300' / Run 2 Retrieved 200' / Run 3 Retrieved 30' / Run 4 Pulling Weight At 100' Below K.B.  
 Lost Drag, Pulled On Out Of Hole To Checkk Tools & Running Back In.To Retrive
- 9/24/2008 T.I.H. W / Wire Line Grapple - Work Grapple At 720'  
 T.O.O.H. / Check Grapple 0 Retrieved Total Retrieved: 530'  
 T.I.H. W / Wire Line Grapple - Work Grapple At 720'  
 T.O.O.H. / Check Grapple 200' Retrieved Total Retrieved: 730'  
 Rig Service  
 T.I.H. W / Wire Line Grapple - Work Grapple At 900'  
 T.O.O.H. / Check Grapple 100' Retrieved Total Retrieved: 830'  
 T.I.H. W / Wire Line Grapple - Work Grapple At 1160'  
 T.O.O.H. / Check Grapple 350' Retrieved Total Received 1180'  
 T.I.H. W / Wire Line Grapple - Work Grapple 1435'  
 T.O.O.H. / Work Tight Hole & Jar Up To 940'  
 Circulate / Mix & Pump Sweep 60 Vis W / Saw Dust / Clean Hole  
 Backed Out Of Saver Sub / Readjust Graber Box - Top Drive Back Ups
- 9/25/2008 Work Gable Grapple  
 T.O.O.H. With Fish Working Tight Hole  
 Circulate & Condition Hole  
 Work Pipe & Jar @ 1170'  
 Repair Hydraulic Hoses To Top Drive  
 Jaring @ 1170'  
 Circulate - Work Pipe @ 1170' Un  
 Unload Fishing Tool's - S.L.M. & P.U. Surface Jar's  
 Pick Up Surface Jars & Drive Free Down  
 Lay Down Surface Jars Work Down Hole Jars  
 Pick Up Surface Jars, Woerking About 14' Free Play 1180' - 1166'
- Lay Down Surface Jars, Working With Down Hole Jars Working Up Hole 1130', Lay Down 1 Joint

9/26/2008	T.O.O.H. With Fish - Retrive 200' Remove Wire Line From Grapple Rig Repair (Top Drive Hyd & Elec.) Rig Service T.I.H. With Fishing Tools Work Fishing Grapple  Rig Repair (Rig Matting Sinking Under Rig - Trip Out - Level Rig Build Up Over Matts With Timbers T.I.H. With Fishing Tools	Total Line Retrived 1380'	
9/27/2008	T.I.H. With Wire Line Grapple Work Grapple T.O.O.H. & Remove Wire Line From Grapple T.I.H. With Wire Line Grapple Rig Service Work Grapple To Find Wire 1400' - 1856' - Latch On At 1856' T.O.O.H. Working Tight Hole Clean Wire From Grapple T.I.H. With Wire Line Grapple	Retrive 120' Total Wire Line Out 1500'	Retrieve 200' Total Wire Line Out 1700'
9/28/2008	Fishing At 1966' Circulate & Pump Sweep Around T.O.O.H. Fish Remove Wire Line From Spear Rig Service T.I.H. Fishing At 2055' T.O.O.H. Fish Remove Wire Line From Spear T.I.H. Work Wire Line Spear @ 2100' Work Tight Hole / P.U. Surface Jars	Retrive 230' Wire Line	Totql Out 1930'
		Retrive 136' Wire Line	Total Out 2066'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drilling Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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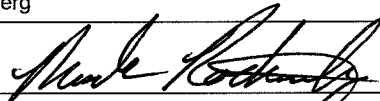
Enclosed is the Weekly Drilling Activity Report from 9/29/08 to 10/05/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date

10/6/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

OCT 08 2008

DIV. OF OIL, GAS & MINING

9/29/2008 Working Tight Hole  
 Install Fishing Jars - Jar With Surface Jars  
 L.D. Surface Jars - Jar With Fishing Jars  
 Repair Hydraulic Hose To Top Drive / Inspect Derrick & Carriage For Damage / Tighten & Replace Bolts T.D.  
 Install Surface Jars - Work Tight Hole - L.D. Surface Jars  
 Work Tight Hole  
 T.O.O.H. With Fish  
 Retrieve Wire Line Fish From Hole 1715' Total Retrieved From Well 3781'  
 Rig Up To Replace Drilling Line Complete With New

9/30/2008 S.L.M. & Caliper New B.H.A.  
 Restraining New Drilling Line  
 P.U. Fishing B.H.A. & T.I.H.  
 Circ B.U. @ 2325' 1800 Units Trip Gas Up  
 T.I.H. To 4030'  
 Latch To Fish @ 4127'  
 Circulate B.U. 1760 Units Trip Gas Up  
 T.O.O.H. W / Fish  
 Remove Fish From Spear 201' Total Fish Recovered 4137'  
 T.I.H 4127' Total Fish Left In Hole 1933'  
 Circulate B.U. 820 Units Trip Gas Up

10/1/2008 Probing For Wire Line With Grapple, Start At 4127'  
 Rig Service While Circulating At Fish  
 Probing For Wire Line With Grapple, 4127' to 4235'  
 Finish Circulating B.U.  
 T.O.O.H. - Remove Cable From Spear 41' Retrieved Total Recovered 4188'  
 Rig Service Total Left In Hole 1892'  
 T.I.H. With Fishing Tools  
 Circulate B.U. & B.O.P. Drill  
 Probing For Wire Line With Grapple, 4200' - 4352'  
 Circulate High Vis Sweeps to Clean Hole  
 T.O.O.H.  
 Night Crew B.O.P. Drill / Position Training  
 Function test B.O.P.'s

10/2/2008 T.O.O.H. & Remove Wire Line From Grapple (81') Check: Crown-O-Matic  
 B.O.P. Drill - Safety Meeting On Drill - Function Test B.O.P.'s  
 Rig service  
 T.I.H. With Wire Line Spear  
 Probing For Wire Line With Grapple  
 T.O.O.H. & Remove Wire Line From Grapple (57') Check: Crown-O-Matic  
 Function Test B.O.P.'s  
 T.I.H. With Wire Line Spear  
 Circulate High Vis Sweep Around & Clean Hole  
 Probing For Wire Line With Grapple  
 T.O.O.H.  
 Total Wire Line Recovered 4324'

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Total Left In Hole 1754'

10/3/2008 T.O.O.H. & Remove Wire Line From Grapple (162')  
 B.O.P. Drill & Function Test B.O.P.s  
 Rig Service  
 T.I.H. With Wire Line Grapple  
 Probing For Wire Line With Grapple & Work Loose  
 Pump Sweep & Clean Hole Ahead Of Fish  
 Rig Repair - Clean Suction Screen On No. 1 Pump  
 T.O.O.H. - Pump First 200' Off Bottom (Not Sticky Just Cleaning Ahead Of Fish)  
 Retrieve Wire Line From Grapple (125')  
 T.I.H. With Wire Line Grapple  
 Mix & Pump Sweep - Mix & Build Volume Total Recovered To Day 287'  
 Total Wire Line Recovered 4412"  
 Total Wire Line Left In Hole 1686'

10/4/2008 Probing For Wire Line With Grapple & Work Loose (Tag Depth 4937')  
 T.O.O.H. & Remove Wire Line From Grapple Retrieved 148'  
 Rig Service & Function Test Pipe & Blind Rams  
 T.I.H. With Wire Line Grapple Start At 4899' Tag Up At 5072'  
 Probing For Wire Line With Grapple & Work Loose, Start At 4899' Grab At 5072'  
 Working Through Tight Hole (Wire Above Tool Joint To Big Of A Bite)(Pulled Loose At 4768')  
 T.O.O.H. - Catch Barbs Missing From Spear Due To Having To Jar Out Of Tight Area  
 T.I.H. With Spiral Grapple

Total Wire Line Recovered Past 24 hr's: 148'  
 Total Wire Line Recovered 4560'  
 Total Wire Line In Hole 1538'

10/5/2008 T.I.H. With Spiral Grapple Tag @ 4768'  
 Work Grapple In Wire Line  
 T.O.H.  
 Rig Service  
 Function Test B.O.P.'s Change Out To Barbed Fishing Spear  
 T.I.H. With Barbed Spear Tag @ 4768'  
 Work Spear Into Bridged Wire 4268' - 4313'  
 T.O.O.H. (Dry Run - Four Barbs Broken From Spear)  
 Change Out Spear  
 T.I.H. With Barbed Spear / Start Probing or Wire Line At 4668'  
 Probing For Wire Line 4668' - 5117'  
 Wire Line In Hole 1538'  
 Wire Line Recovered 4560'

CONFIDENTIAL



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

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Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drilling Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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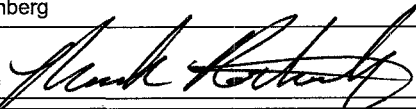
Enclosed is the Weekly Drilling Activity Report from 10/06/08 to 10/12/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date 10/13/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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(Instructions on page 2)

RECEIVED

OCT 16 2008

DIV. OF OIL, GAS & MINING

10/6/2008 Working Wire Line Spear Trying To Catch Logging Wire  
T.O.O.H.  
Remove Wire From Wireline Spear Retrieved 55'  
Rig Service & Level Derrick  
T.I.H. With Wire Line Spear  
Probing For Wire Line  
T.O.O.H.  
Working Tight Hole 3700' - 3350' Pulling 40K Over String Wt.

Wire Line Recoverd Past 24 hr's: 55'  
Wire Line In Hole: 1475'  
Wire Line Recoverd : 4615'

10/7/2008 T.O.O.H. Pulling 25 - 30 K Over  
Remove 50' Wire Balled Up From Spear  
Rig Service  
T.I.H. With Spear  
Tag At 5061' Work To 5204' (Plug Spear Off With Formation)  
T.O.O.H. (Pulling Wet - Plugged Spear)  
Rig Repair - Replace Pipe Kicker Cylinder  
T.O.O.H. (Pulling Wet - Plugged Spear)  
Measure & Change Out Fishing Spear  
Rig Service & Function Test B.O.P.'s  
T.I.H. With Fishing Spear  
Recovered 50'  
Wire Line Left In Hole 1450'  
Wire Line Recovered 4665'

10/8/2008 T.I.H. With Wire Line Spear  
Rig Repair ( Electrical: Inter Lock On Dwk's & Top Drive - Weld Drum Shaft Flex Plate Retainer Bolts  
Work Spear Through Wire Line Bridge 5226' & Catch at 5250'  
Work Up Through Tight Hole 5250' to 5050'  
Rig Repair ( Electrical: Repair High Voltage Line Lug For Mud Pump No.1  
Work Up Trough Tight Hole 5050' to 4800'  
Work Stuck Pipe 4800' (Surface Jars In Use)  
Rig Up & Work With Surface Jars While Waiting On Free Point Truck

10/9/2008 T.O.O.H. Circulate Out Each Joint ( Pulling Over 3 - 12K )  
Rig Service  
T.O.O.H. Circulate Out Each Joint ( Pulling Over 3 - 12K ) Retrieve 60' Wire Line  
Function Test B.O.P.'s - Conduct Safety Meeting - Swap Out Spear & P.U. A Joint Of 3.5" - B.O.P.  
T.I.H. With Spear & Check For Hole Obstruction Left By Wire Line

Wire Line Retrieved To Day: 60'  
Wire Line Left In Hole: 1350'  
Wire Line Recovered Total: 4725'

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10/10/2008 T.I.H.

Rig Service

Tag Bridge At 4872' Wash Through, Work Down To 5325'

Working Tight Hole 5325' - 5276' Laying Down Jt. No.114

Work Tight Hole, Lost Ability To Circ.

Inspect Rig - Derrick & Sub Assm. For Damage Due To Jarring (OK) Tighten Top Drive Bolt's

Jar & Work Stuck Pipe At 5276'

J.S.A. & Pre Operations Meeting - Rig Up Wire Line Truck

Wire Line Left In Hole 1350'

Wire Line Rcoerd 4725'

10/11/2008 J.S.A.M. & Pre Ops Meeting

Run In Wire Line - Perfarate Wire Line Spear 5205' - 5207' - Pull Out Rig Down

Try To Circulate & Jar On Stuck Pipe At 5272'

Run In Wire Line - Perfarate Wire Line Spear 5200' - 5203' - Pull Out Rig Down

Try To Circulate & Jar On Stuck Pipe At 5272'

Make Up Shot & Run In To Back Off At 5208' (Failed Not Enough Back Off Torq )

Waite On Power Tongs From Vernal, Utah For Back Off

J.S.A.M. & Rig Up Power Tongs

Work Left Torq Into Drill String, Run In 5200' & Attempt Back Off Shot (Not Succesful)

While Working Torq From Pipe, String Parted 13 Joints Down, Pull Up Replace Joint Run In & Screew Back In

Run Shot In & Torq Pipe Try To Bust Tool Joint (Not Succesful)

Work Stuck Pipe & Waite On Cut Off Tool FROM Weatherford

10/12/2008 Jar On Stuck Pipe While Waiting On Wire Line Severing Tools

Make Up & Run Severing Shot In At 5208'

Jar On Pipe / Severing Shot Failed

Make Up & Run Severing Shot In At 5174' Shoot Off At Top Of Jars

Circulate & Cond Hole (Fish Top At 5174')

T.O.O.H.

Repair Cat Walk Skate

T.O.O.H.

Test B.O.P. & Well Cont Equip' Annular 250/1500 psi 5/10 min-Pipe Rams, Blind Rams, Choke Line & Manifold

Upper & Lower Shut In Valve, Dart Valve, HCR, 4 Primary, 3 Secoundary, Valves, 250/2000 psi 5/10 Min

Accumulator, Remote, Nitrogin Back Up & Air & Elect Recovery, Accum 3000 PSI Man 1500 PSI

Annular 1200 P

S.L.M. 2.875 Tubing To T.I.H.

**CONFIDENTIAL**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-78242 37</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: <b>Gilsonite Draw Unit UTU-86249X</b>		8. WELL NAME and NUMBER: <b>Gilsonite 1-20</b>
9. API NUMBER: <b>4301334037</b>		10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		
2. NAME OF OPERATOR <b>Vantage Energy Uinta LLC</b>		
3. ADDRESS OF OPERATOR <b>116 Inverness Dr. East #107 Englewood CO 80112</b>		PHONE NUMBER: <b>(303) 386-8600</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1205' FNL &amp; 1202' FWL</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 20 T6S R3W</b>		

COUNTY: **Duchesne**

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The proposed bottom hole location for the referenced well was 660' FNL, 1,980' FWL, NE NW Section 20, T6S, R3W.

The actual bottom location achieved is 811' FNL, 1,946' FWL, NE NW Section 20, T6S, R3W.

Enclosed is the directional letter updating the actual bottom hole location.

564201X  
44223114  
39.950386  
-110.248448

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 11-05-08  
By: [Signature]

NAME (PLEASE PRINT) <u>John Moran</u>	TITLE <u>Senior Engineer</u>
SIGNATURE <u>[Signature]</u>	DATE <u>11/4/08</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 11.6.2008

Initials: KS



November 3, 2008

Ms. Diana Mason  
Utah Division of Oil, Gas, and Mining  
1594 West North Temple, Ste. 1210  
Salt Lake City, Utah 84114

Re: Directional Drilling R649-3-11  
Vantage Energy Uinta LLC, Gilsonite 1-20  
1,205' FNL, 1,202' FWL, NW NW Section 20, T6S, R3W, USBM (surface)  
811' FNL, 1,946' FWL, NE NW Section 20, T6S, R3W, USBM (bottomhole)  
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Vantage Energy Uinta LLC's (Vantage) Application for Permit to Drill regarding the above referenced well on June 30, 2008, we are hereby submitting this letter in accordance with Oil and Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Vantage's Gilsonite 1-20 is an exploratory well located within the Ashley National Forest.
- Vantage is permitting this well as a directional hole in order to minimize surface disturbance. The well pad will partially overlie a previously drilled exploratory test, the Sinclair Gilsonite Draw 1. Vantage will reuse a significant portion of the original well site disturbed areas for part of the well pad and access road.
- Vantage wishes to avoid potential conflict with the previously drilled wellbore, particularly during stimulation operations, by placing the bottomhole location some distance away from the surface location.
- The proposed bottomhole location would allow for future evenly-spaced 40 acre development as the bottomhole coordinates are in the center of the NE NW quarter quarter of the section.

Vantage hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and within Section 20 (federal oil and gas lease UTU 078237).



Should there be any additional information you may require for the evaluation and approval of this request, please contact me at 303-386-8610.

Sincerely,

A handwritten signature in black ink, appearing to read "John J Moran Jr.", written in a cursive style.

VANTAGE ENERGY UINTA LLC

John J Moran Jr

Senior Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW) Sec 1  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Directional Survey
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Directional Survey for the referenced well.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date 10/28/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

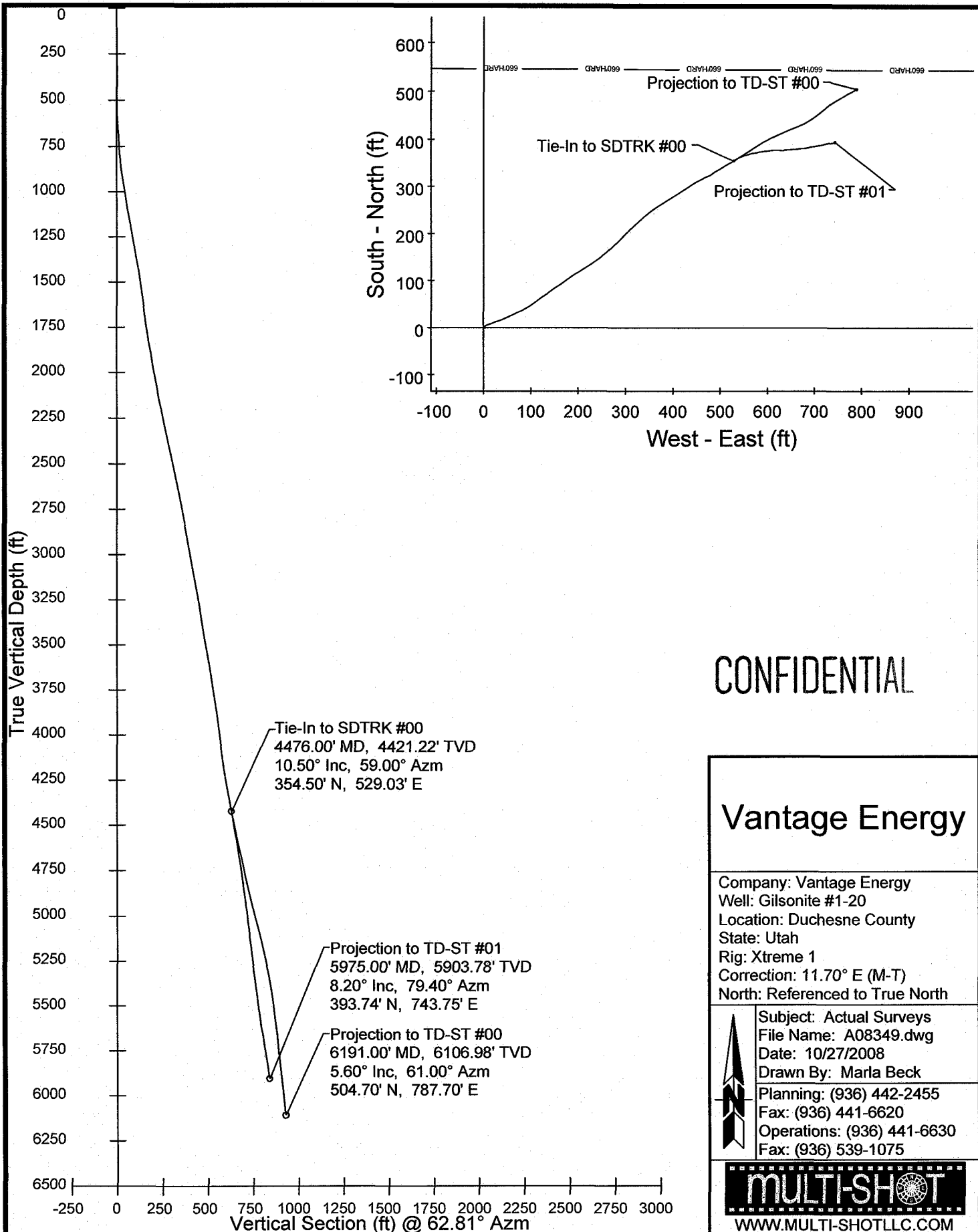
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**NOV 03 2008**

DIV OF OIL, GAS & MINING



CONFIDENTIAL

## Vantage Energy

Company: Vantage Energy  
Well: Gilsonite #1-20  
Location: Duchesne County  
State: Utah  
Rig: Xtreme 1  
Correction: 11.70° E (M-T)  
North: Referenced to True North

Subject: Actual Surveys  
File Name: A08349.dwg  
Date: 10/27/2008  
Drawn By: Marla Beck  
Planning: (936) 442-2455  
Fax: (936) 441-6620  
Operations: (936) 441-6630  
Fax: (936) 539-1075

**MULTI-SHOT**  
WWW.MULTI-SHOTLLC.COM

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.





**Job Number:** P08-349  
**Company:** Vantage Energy  
**Lease/Well:** Gilsonite #1-20  
**Location:** Duchesne County  
**Rig Name:** Xtreme 1  
**RKB:** 12'  
**G.L. or M.S.L.:** 7060'

**State/Country:** Utah  
**Declination:** 11.70° E (M-T)  
**Grid:** Referenced to True North  
**File name:** F:\WELLPL-1\2008\PO8340'S\PO8349\08349.SVY  
**Date/Time:** 22-Oct-08 / 14:49  
**Curve Name:** SDTRK #00

**WINSERVE PROPOSAL REPORT**  
*Minimum Curvature Method*  
*Vertical Section Plane 55.12*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>C L O S U R E Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
417.00	.40	84.00	417.00	.15	1.45	1.27	1.46	84.00	.10
462.00	.50	32.40	462.00	.33	1.71	1.59	1.74	78.93	.89
507.00	1.10	38.10	506.99	.84	2.08	2.19	2.24	68.02	1.34
552.00	2.20	46.90	551.97	1.77	2.98	3.46	3.46	59.27	2.50
597.00	2.90	50.50	596.93	3.08	4.49	5.44	5.44	55.50	1.59
642.00	3.60	56.20	641.85	4.59	6.54	7.99	7.99	54.91	1.71
687.00	3.60	67.00	686.77	5.93	9.01	10.79	10.79	56.65	1.50
733.00	4.10	70.30	732.66	7.05	11.89	13.79	13.82	59.33	1.19
778.00	4.70	72.60	777.53	8.14	15.17	17.10	17.21	61.76	1.39
823.00	5.40	72.30	822.35	9.34	18.94	20.88	21.12	63.75	1.56
869.00	6.70	69.40	868.10	10.94	23.52	25.55	25.94	65.05	2.90
914.00	7.70	72.10	912.74	12.79	28.84	30.98	31.55	66.08	2.35
959.00	8.70	69.60	957.28	14.91	34.90	37.15	37.95	66.87	2.36
1004.00	8.90	69.50	1001.75	17.31	41.35	43.82	44.83	67.28	.45
1094.00	9.70	64.40	1090.57	23.03	54.71	58.05	59.36	67.18	1.28
1184.00	10.60	64.20	1179.16	29.90	69.00	73.71	75.20	66.57	1.00
1275.00	10.80	62.50	1268.58	37.48	84.10	90.43	92.07	65.98	.41
1365.00	9.30	57.20	1357.20	45.32	97.69	106.06	107.69	65.11	1.96
1455.00	9.20	53.00	1446.03	53.59	109.55	120.51	121.96	63.93	.76
1546.00	8.00	54.20	1536.00	61.67	120.50	134.12	135.36	62.90	1.33
1636.00	8.20	53.30	1625.10	69.17	130.72	146.79	147.89	62.12	.26
1726.00	7.90	55.40	1714.22	76.52	140.96	159.39	160.39	61.51	.47

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1786.00	8.70	53.90	1773.59	81.53	148.02	168.05	168.99	61.15	1.38
1846.00	9.00	56.30	1832.87	86.81	155.59	177.28	178.17	60.84	.79
1906.00	10.00	52.60	1892.05	92.58	163.64	187.18	188.01	60.50	1.95
1980.00	10.20	55.90	1964.91	100.15	174.16	200.15	200.91	60.10	.83
2042.00	10.20	54.90	2025.93	106.39	183.20	211.13	211.85	59.86	.29
2102.00	10.10	58.50	2084.99	112.19	192.03	221.69	222.40	59.71	1.07
2162.00	11.10	57.20	2143.96	118.07	201.38	232.72	233.44	59.62	1.71
2222.00	11.80	57.60	2202.77	124.48	211.41	244.62	245.34	59.51	1.17
2313.00	12.70	55.30	2291.70	135.17	227.49	263.92	264.62	59.28	1.12
2403.00	11.90	51.40	2379.63	146.59	242.88	283.07	283.68	58.89	1.28
2493.00	12.60	49.80	2467.58	158.71	257.63	302.10	302.59	58.36	.86
2583.00	11.80	46.90	2555.55	171.34	271.84	320.99	321.33	57.78	1.12
2674.00	12.50	46.70	2644.51	184.45	285.80	339.94	340.15	57.16	.77
2764.00	12.00	45.30	2732.46	197.71	299.54	358.79	358.91	56.57	.65
2854.00	11.00	46.00	2820.65	210.25	312.37	376.49	376.54	56.06	1.12
2944.00	10.30	45.40	2909.10	221.87	324.28	392.90	392.91	55.62	.79
3035.00	10.50	48.90	2998.61	233.03	336.32	409.16	409.16	55.28	.73
3125.00	10.10	52.80	3087.16	243.19	348.78	425.20	425.20	55.11	.89
3215.00	10.10	54.30	3175.76	252.57	361.48	440.97	440.97	55.06	.29
3305.00	9.10	57.90	3264.50	260.96	373.92	455.97	455.97	55.09	1.30
3395.00	9.20	56.60	3353.36	268.70	385.95	470.27	470.27	55.15	.26
3486.00	10.00	58.30	3443.08	276.86	398.75	485.44	485.44	55.23	.93
3576.00	9.40	59.00	3531.80	284.75	411.70	500.57	500.57	55.33	.68
3666.00	9.30	57.80	3620.60	292.41	424.15	515.17	515.17	55.42	.24
3755.00	9.40	56.30	3708.42	300.27	436.28	529.62	529.63	55.46	.30
3846.00	8.40	59.70	3798.32	307.75	448.20	543.67	543.69	55.53	1.24
3935.00	7.80	63.70	3886.43	313.71	459.23	556.13	556.15	55.66	.92
4026.00	7.10	64.40	3976.67	318.87	469.84	567.78	567.83	55.84	.78
4116.00	7.30	61.30	4065.96	324.02	479.87	578.96	579.02	55.97	.49
4206.00	8.40	58.10	4155.11	330.24	490.47	591.21	591.28	56.05	1.31
4296.00	9.60	56.90	4244.00	337.81	502.33	605.27	605.36	56.08	1.35
4386.00	10.10	58.00	4332.68	346.09	515.31	620.65	620.75	56.11	.59
4476.00	10.50	59.00	4421.22	354.50	529.03	636.72	636.83	56.17	.49
4566.00	11.80	59.60	4509.52	363.38	544.00	654.07	654.20	56.26	1.45
4656.00	13.60	55.40	4597.32	374.05	560.65	673.83	673.97	56.29	2.25
4746.00	11.60	58.90	4685.15	384.73	577.11	693.44	693.59	56.31	2.38
4836.00	12.40	58.90	4773.18	394.40	593.13	712.12	712.29	56.38	.89
4927.00	13.50	63.60	4861.87	404.17	611.01	732.37	732.59	56.52	1.67
5018.00	13.60	67.50	4950.34	412.98	630.41	753.33	753.64	56.77	1.01
5108.00	14.50	68.20	5037.64	421.22	650.65	774.64	775.09	57.08	1.02
5178.00	14.10	67.90	5105.48	427.68	666.69	791.49	792.07	57.32	.58
5242.00	13.10	65.00	5167.68	433.68	680.48	806.24	806.93	57.49	1.89

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5312.00	12.50	58.10	5235.95	441.03	694.11	821.62	822.37	57.57	2.34
5407.00	11.70	50.40	5328.84	452.61	710.26	841.49	842.21	57.49	1.89
5505.00	8.50	50.20	5425.31	463.58	723.48	858.61	859.26	57.35	3.27
5575.00	7.70	51.80	5494.61	469.79	731.14	868.45	869.06	57.28	1.19
5647.00	6.80	54.40	5566.03	475.26	738.40	877.53	878.12	57.23	1.33
5738.00	5.70	57.00	5656.49	480.85	746.57	887.43	888.02	57.22	1.25
5827.00	5.80	61.70	5745.04	485.39	754.23	896.31	896.93	57.24	.54
5917.00	6.60	59.80	5834.52	490.15	762.71	905.99	906.63	57.27	.92
6007.00	6.50	58.20	5923.93	495.44	771.51	916.23	916.89	57.29	.23
6097.00	5.60	61.00	6013.43	500.25	779.68	925.68	926.36	57.32	1.05

**Projection to TD-ST #00**

6191.00	5.60	61.00	6106.98	504.70	787.70	934.81	935.52	57.35	.00
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CONFIDENTIAL



Job Number: P08-349

Company: Vantage Energy

Lease/Well: Gilsonite #1-20

Location: Duchesne County

Rig Name: Xtreme 1

RKB: 12'

G.L. or M.S.L.: 7060'

State/Country: Utah

Declination: 11.70° E (M-T)

Grid: Referenced to True North

File name: F:\WELLPL~1\2008\PO8340\S\PO8349\08349.SVY

Date/Time: 22-Oct-08 / 14:47

Curve Name: SDTRK #01

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 62.81  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
<b>Tie-In to SDTRK #00</b>									
4476.00	10.50	59.00	4421.22	354.50	529.03	632.56	636.82	56.17	.00
4508.00	10.60	58.50	4452.68	357.54	534.04	638.40	642.68	56.20	.42
4555.00	9.80	59.90	4498.94	361.80	541.19	646.71	650.99	56.24	1.78
4600.00	8.90	68.70	4543.34	364.99	547.74	653.99	658.21	56.32	3.75
4645.00	9.00	74.20	4587.79	367.21	554.37	660.91	664.96	56.48	1.91
4691.00	9.10	78.20	4633.22	368.94	561.40	667.94	671.77	56.69	1.38
4736.00	9.50	77.50	4677.63	370.47	568.50	674.96	678.56	56.91	.92
4781.00	9.40	78.50	4722.02	372.00	575.73	682.09	685.46	57.13	.43
4826.00	9.00	83.00	4766.44	373.17	582.83	688.94	692.05	57.37	1.83
4871.00	8.10	84.00	4810.94	373.93	589.47	695.20	698.07	57.61	2.03
4916.00	8.00	80.80	4855.50	374.76	595.72	701.13	703.79	57.83	1.02
4960.00	7.60	78.80	4899.09	375.81	601.59	706.84	709.33	58.01	1.10
5005.00	8.00	83.10	4943.67	376.77	607.62	712.64	714.95	58.20	1.57
5050.00	8.40	87.10	4988.21	377.31	614.01	718.57	720.68	58.43	1.55
5095.00	7.70	89.70	5032.77	377.49	620.31	724.25	726.14	58.68	1.75
5141.00	6.60	92.90	5078.41	377.37	626.03	729.29	730.98	58.92	2.54
5185.00	6.50	91.10	5122.12	377.20	631.05	733.67	735.19	59.13	.52
5231.00	7.40	83.00	5167.79	377.51	636.59	738.75	740.11	59.33	2.89
5276.00	8.10	83.10	5212.38	378.24	642.61	744.44	745.67	59.52	1.56
5321.00	7.80	86.10	5256.94	378.83	648.81	750.22	751.31	59.72	1.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5366.00	7.80	87.20	5301.53	379.19	654.90	755.80	756.76	59.93	.33
5411.00	7.50	85.60	5346.13	379.56	660.88	761.29	762.12	60.13	.82
5456.00	7.70	82.90	5390.73	380.16	666.80	766.83	767.56	60.31	.91
5501.00	7.70	85.00	5435.33	380.80	672.80	772.45	773.09	60.49	.63
5546.00	8.00	82.10	5479.90	381.49	678.90	778.20	778.74	60.67	1.10
5591.00	8.40	81.20	5524.44	382.42	685.25	784.27	784.74	60.84	.93
5636.00	8.40	80.60	5568.96	383.46	691.74	790.52	790.92	61.00	.19
5682.00	9.20	79.60	5614.42	384.68	698.67	797.24	797.57	61.16	1.77
5727.00	9.60	78.80	5658.82	386.05	705.89	804.29	804.56	61.33	.94
5772.00	9.40	77.90	5703.20	387.55	713.17	811.45	811.67	61.48	.55
5817.00	9.40	78.30	5747.59	389.07	720.36	818.54	818.71	61.63	.15
5862.00	9.30	77.70	5792.00	390.59	727.51	825.59	825.73	61.77	.31
5907.00	8.20	79.40	5836.47	391.95	734.22	832.18	832.29	61.91	2.51
Projection to TD-ST #01									
5975.00	8.20	79.40	5903.78	393.74	743.75	841.48	841.54	62.10	.00

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Directional Survey
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Directional Survey for the referenced well.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date

10/28/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

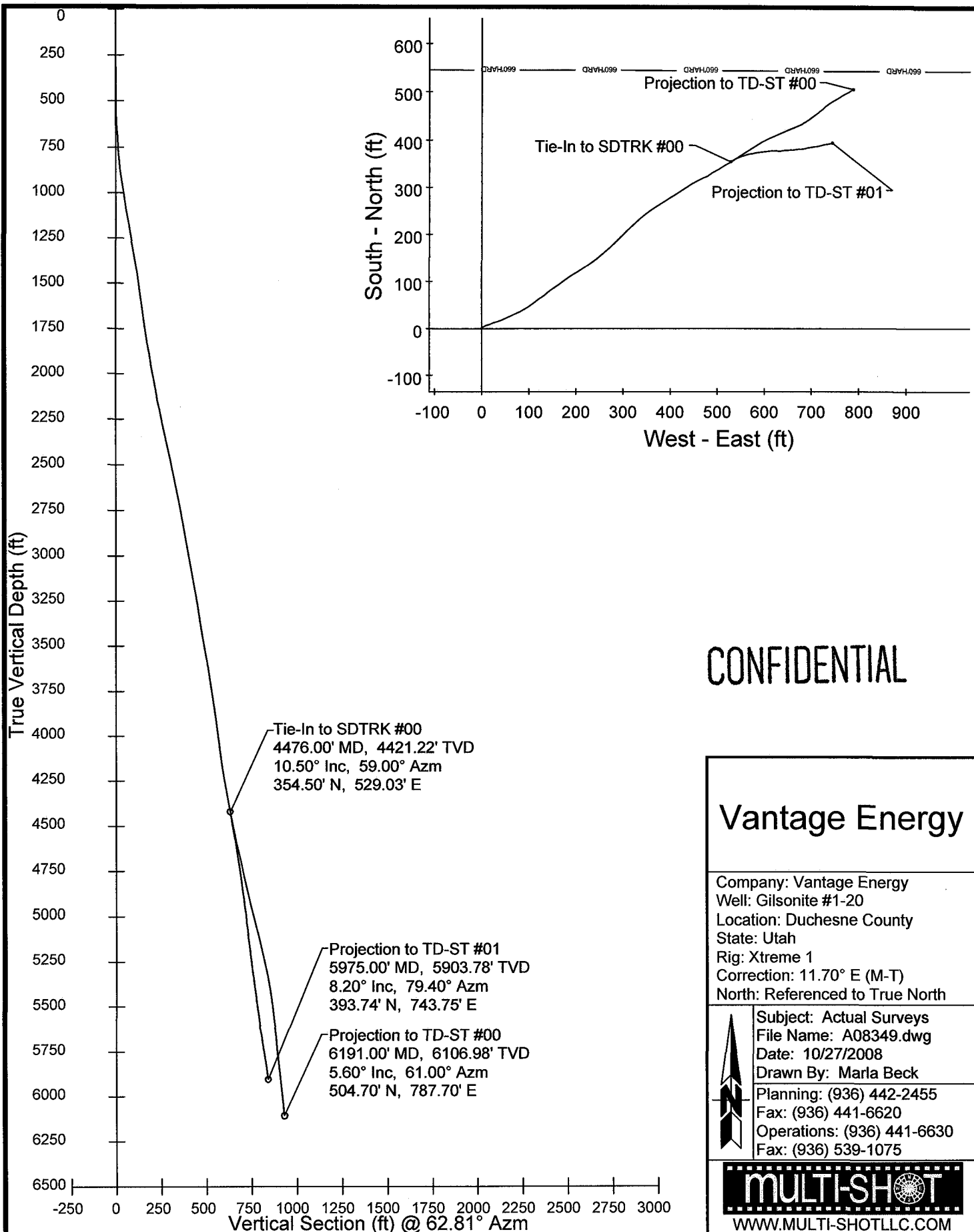
**RECEIVED**

**NOV 03 2008**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**DIV. OF OIL, GAS & MINING**



**CONFIDENTIAL**

## Vantage Energy

Company: Vantage Energy  
 Well: Gilsonite #1-20  
 Location: Duchesne County  
 State: Utah  
 Rig: Xtreme 1  
 Correction: 11.70° E (M-T)  
 North: Referenced to True North

Subject: Actual Surveys  
 File Name: A08349.dwg  
 Date: 10/27/2008  
 Drawn By: Marla Beck  
 Planning: (936) 442-2455  
 Fax: (936) 441-6620  
 Operations: (936) 441-6630  
 Fax: (936) 539-1075

**MULTI-SHOT**  
 WWW.MULTI-SHOTLLC.COM

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.





Job Number: P08-349  
 Company: Vantage Energy  
 Lease/Well: Gilsonite #1-20  
 Location: Duchesne County  
 Rig Name: Xtreme 1  
 RKB: 12'  
 G.L. or M.S.L.: 7060'

State/Country: Utah  
 Declination: 11.70° E (M-T)  
 Grid: Referenced to True North  
 File name: F:\WELLPL-1\2008\108340'S\108349\08349.SVY  
 Date/Time: 22-Oct-08 / 14:49  
 Curve Name: SDTRK #00

WINSERVE PROPOSAL REPORT  
 Minimum Curvature Method  
 Vertical Section Plane 55.12  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
417.00	.40	84.00	417.00	.15	1.45	1.27	1.46	84.00	.10
462.00	.50	32.40	462.00	.33	1.71	1.59	1.74	78.93	.89
507.00	1.10	38.10	506.99	.84	2.08	2.19	2.24	68.02	1.34
552.00	2.20	46.90	551.97	1.77	2.98	3.46	3.46	59.27	2.50
597.00	2.90	50.50	596.93	3.08	4.49	5.44	5.44	55.50	1.59
642.00	3.60	56.20	641.85	4.59	6.54	7.99	7.99	54.91	1.71
687.00	3.60	67.00	686.77	5.93	9.01	10.79	10.79	56.65	1.50
733.00	4.10	70.30	732.66	7.05	11.89	13.79	13.82	59.33	1.19
778.00	4.70	72.60	777.53	8.14	15.17	17.10	17.21	61.76	1.39
823.00	5.40	72.30	822.35	9.34	18.94	20.88	21.12	63.75	1.56
869.00	6.70	69.40	868.10	10.94	23.52	25.55	25.94	65.05	2.90
914.00	7.70	72.10	912.74	12.79	28.84	30.98	31.55	66.08	2.35
959.00	8.70	69.60	957.28	14.91	34.90	37.15	37.95	66.87	2.36
1004.00	8.90	69.50	1001.75	17.31	41.35	43.82	44.83	67.28	.45
1094.00	9.70	64.40	1090.57	23.03	54.71	58.05	59.36	67.18	1.28
1184.00	10.60	64.20	1179.16	29.90	69.00	73.71	75.20	66.57	1.00
1275.00	10.80	62.50	1268.58	37.48	84.10	90.43	92.07	65.98	.41
1365.00	9.30	57.20	1357.20	45.32	97.69	106.06	107.69	65.11	1.96
1455.00	9.20	53.00	1446.03	53.59	109.55	120.51	121.96	63.93	.76
1546.00	8.00	54.20	1536.00	61.67	120.50	134.12	135.36	62.90	1.33
1636.00	8.20	53.30	1625.10	69.17	130.72	146.79	147.89	62.12	.26
1726.00	7.90	55.40	1714.22	76.52	140.96	159.39	160.39	61.51	.47

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
				FT	FT	FT	Distance FT	Direction Deg	
1786.00	8.70	53.90	1773.59	81.53	148.02	168.05	168.99	61.15	1.38
1846.00	9.00	56.30	1832.87	86.81	155.59	177.28	178.17	60.84	.79
1906.00	10.00	52.60	1892.05	92.58	163.64	187.18	188.01	60.50	1.95
1980.00	10.20	55.90	1964.91	100.15	174.16	200.15	200.91	60.10	.83
2042.00	10.20	54.90	2025.93	106.39	183.20	211.13	211.85	59.86	.29
2102.00	10.10	58.50	2084.99	112.19	192.03	221.69	222.40	59.71	1.07
2162.00	11.10	57.20	2143.96	118.07	201.38	232.72	233.44	59.62	1.71
2222.00	11.80	57.60	2202.77	124.48	211.41	244.62	245.34	59.51	1.17
2313.00	12.70	55.30	2291.70	135.17	227.49	263.92	264.62	59.28	1.12
2403.00	11.90	51.40	2379.63	146.59	242.88	283.07	283.68	58.89	1.28
2493.00	12.60	49.80	2467.58	158.71	257.63	302.10	302.59	58.36	.86
2583.00	11.80	46.90	2555.55	171.34	271.84	320.99	321.33	57.78	1.12
2674.00	12.50	46.70	2644.51	184.45	285.80	339.94	340.15	57.16	.77
2764.00	12.00	45.30	2732.46	197.71	299.54	358.79	358.91	56.57	.65
2854.00	11.00	46.00	2820.65	210.25	312.37	376.49	376.54	56.06	1.12
2944.00	10.30	45.40	2909.10	221.87	324.28	392.90	392.91	55.62	.79
3035.00	10.50	48.90	2998.61	233.03	336.32	409.16	409.16	55.28	.73
3125.00	10.10	52.80	3087.16	243.19	348.78	425.20	425.20	55.11	.89
3215.00	10.10	54.30	3175.76	252.57	361.48	440.97	440.97	55.06	.29
3305.00	9.10	57.90	3264.50	260.96	373.92	455.97	455.97	55.09	1.30
3395.00	9.20	56.60	3353.36	268.70	385.95	470.27	470.27	55.15	.26
3486.00	10.00	58.30	3443.08	276.86	398.75	485.44	485.44	55.23	.93
3576.00	9.40	59.00	3531.80	284.75	411.70	500.57	500.57	55.33	.68
3666.00	9.30	57.80	3620.60	292.41	424.15	515.17	515.17	55.42	.24
3755.00	9.40	56.30	3708.42	300.27	436.28	529.62	529.63	55.46	.30
3846.00	8.40	59.70	3798.32	307.75	448.20	543.67	543.69	55.53	1.24
3935.00	7.80	63.70	3886.43	313.71	459.23	556.13	556.15	55.66	.92
4026.00	7.10	64.40	3976.67	318.87	469.84	567.78	567.83	55.84	.78
4116.00	7.30	61.30	4065.96	324.02	479.87	578.96	579.02	55.97	.49
4206.00	8.40	58.10	4155.11	330.24	490.47	591.21	591.28	56.05	1.31
4296.00	9.60	56.90	4244.00	337.81	502.33	605.27	605.36	56.08	1.35
4386.00	10.10	58.00	4332.68	346.09	515.31	620.65	620.75	56.11	.59
4476.00	10.50	59.00	4421.22	354.50	529.03	636.72	636.83	56.17	.49
4566.00	11.80	59.60	4509.52	363.38	544.00	654.07	654.20	56.26	1.45
4656.00	13.60	55.40	4597.32	374.05	560.65	673.83	673.97	56.29	2.25
4746.00	11.60	58.90	4685.15	384.73	577.11	693.44	693.59	56.31	2.38
4836.00	12.40	58.90	4773.18	394.40	593.13	712.12	712.29	56.38	.89
4927.00	13.50	63.60	4861.87	404.17	611.01	732.37	732.59	56.52	1.67
5018.00	13.60	67.50	4950.34	412.98	630.41	753.33	753.64	56.77	1.01
5108.00	14.50	68.20	5037.64	421.22	650.65	774.64	775.09	57.08	1.02
5178.00	14.10	67.90	5105.48	427.68	666.69	791.49	792.07	57.32	.58
5242.00	13.10	65.00	5167.68	433.68	680.48	806.24	806.93	57.49	1.89

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5312.00	12.50	58.10	5235.95	441.03	694.11	821.62	822.37	57.57	2.34
5407.00	11.70	50.40	5328.84	452.61	710.26	841.49	842.21	57.49	1.89
5505.00	8.50	50.20	5425.31	463.58	723.48	858.61	859.26	57.35	3.27
5575.00	7.70	51.80	5494.61	469.79	731.14	868.45	869.06	57.28	1.19
5647.00	6.80	54.40	5566.03	475.26	738.40	877.53	878.12	57.23	1.33
5738.00	5.70	57.00	5656.49	480.85	746.57	887.43	888.02	57.22	1.25
5827.00	5.80	61.70	5745.04	485.39	754.23	896.31	896.93	57.24	.54
5917.00	6.60	59.80	5834.52	490.15	762.71	905.99	906.63	57.27	.92
6007.00	6.50	58.20	5923.93	495.44	771.51	916.23	916.89	57.29	.23
6097.00	5.60	61.00	6013.43	500.25	779.68	925.68	926.36	57.32	1.05

**Projection to TD-ST #00**

6191.00	5.60	61.00	6106.98	504.70	787.70	934.81	935.52	57.35	.00
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CONFIDENTIAL



**Job Number:** P08-349  
**Company:** Vantage Energy  
**Lease/Well:** Gilsonite #1-20  
**Location:** Duchesne County  
**Rig Name:** Xtreme 1  
**RKB:** 12'  
**G.L. or M.S.L.:** 7060'

**State/Country:** Utah  
**Declination:** 11.70° E (M-T)  
**Grid:** Referenced to True North  
**File name:** F:\WELLPL-1\2008\PO8340'S\PO8349\08349.SVY  
**Date/Time:** 22-Oct-08 / 14:47  
**Curve Name:** SDTRK #01

**WINSERVE SURVEY CALCULATIONS**  
*Minimum Curvature Method*  
*Vertical Section Plane 62.81*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
<b>Tie-In to SDTRK #00</b>									
4476.00	10.50	59.00	4421.22	354.50	529.03	632.56	636.82	56.17	.00
4508.00	10.60	58.50	4452.68	357.54	534.04	638.40	642.68	56.20	.42
4555.00	9.80	59.90	4498.94	361.80	541.19	646.71	650.99	56.24	1.78
4600.00	8.90	68.70	4543.34	364.99	547.74	653.99	658.21	56.32	3.75
4645.00	9.00	74.20	4587.79	367.21	554.37	660.91	664.96	56.48	1.91
4691.00	9.10	78.20	4633.22	368.94	561.40	667.94	671.77	56.69	1.38
4736.00	9.50	77.50	4677.63	370.47	568.50	674.96	678.56	56.91	.92
4781.00	9.40	78.50	4722.02	372.00	575.73	682.09	685.46	57.13	.43
4826.00	9.00	83.00	4766.44	373.17	582.83	688.94	692.05	57.37	1.83
4871.00	8.10	84.00	4810.94	373.93	589.47	695.20	698.07	57.61	2.03
4916.00	8.00	80.80	4855.50	374.76	595.72	701.13	703.79	57.83	1.02
4960.00	7.60	78.80	4899.09	375.81	601.59	706.84	709.33	58.01	1.10
5005.00	8.00	83.10	4943.67	376.77	607.62	712.64	714.95	58.20	1.57
5050.00	8.40	87.10	4988.21	377.31	614.01	718.57	720.68	58.43	1.55
5095.00	7.70	89.70	5032.77	377.49	620.31	724.25	726.14	58.68	1.75
5141.00	6.60	92.90	5078.41	377.37	626.03	729.29	730.98	58.92	2.54
5185.00	6.50	91.10	5122.12	377.20	631.05	733.67	735.19	59.13	.52
5231.00	7.40	83.00	5167.79	377.51	636.59	738.75	740.11	59.33	2.89
5276.00	8.10	83.10	5212.38	378.24	642.61	744.44	745.67	59.52	1.56
5321.00	7.80	86.10	5256.94	378.83	648.81	750.22	751.31	59.72	1.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5366.00	7.80	87.20	5301.53	379.19	654.90	755.80	756.76	59.93	.33
5411.00	7.50	85.60	5346.13	379.56	660.88	761.29	762.12	60.13	.82
5456.00	7.70	82.90	5390.73	380.16	666.80	766.83	767.56	60.31	.91
5501.00	7.70	85.00	5435.33	380.80	672.80	772.45	773.09	60.49	.63
5546.00	8.00	82.10	5479.90	381.49	678.90	778.20	778.74	60.67	1.10
5591.00	8.40	81.20	5524.44	382.42	685.25	784.27	784.74	60.84	.93
5636.00	8.40	80.60	5568.96	383.46	691.74	790.52	790.92	61.00	.19
5682.00	9.20	79.60	5614.42	384.68	698.67	797.24	797.57	61.16	1.77
5727.00	9.60	78.80	5658.82	386.05	705.89	804.29	804.56	61.33	.94
5772.00	9.40	77.90	5703.20	387.55	713.17	811.45	811.67	61.48	.55
5817.00	9.40	78.30	5747.59	389.07	720.36	818.54	818.71	61.63	.15
5862.00	9.30	77.70	5792.00	390.59	727.51	825.59	825.73	61.77	.31
5907.00	8.20	79.40	5836.47	391.95	734.22	832.18	832.29	61.91	2.51
Projection to TD-ST #01									
5975.00	8.20	79.40	5903.78	393.74	743.75	841.48	841.54	62.10	.00

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Completion Activity</u>
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Enclosed is the Weekly Completion Activity Report from 10/27/08 to 11/2/08.

RECEIVED

NOV 10 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date

11/4/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on page 2)

10/27/2008 Check well pressures - slight blow, cont. to prepare for frac.

10/28/2008 Prepare for frac, unload pipe racks, clean location, fab and install hardline to oil tank.

10/29/2008 Cont. to rig in flowback equip., Heat KCL, Rig up rig, Unload tubing, Rig in camp.

10/30/2008 Driving time  
Safety Meeting and review JSA's  
Change out rams  
Rig repairs, cont. to rig in flowback equipment and heat KCL tanks.  
Pressure test and fix a few leaks  
Trip in w/ 2-7/8" tubing  
Rig repairs on hydrolic system  
Unable to repair hydrolic system today, so tripped out of hole  
Driving time

10/31/2008 Driving Time  
Safety Meeting  
Check well pressure, unload and spot frac head equipment. (0 psi on well)  
Back drag and prep location for frac equipment  
Review JSA's, Spot and rig up wireline unit, rig up frac head  
Rig in BJ  
Safety meeting and review JSA's for pumping 1nd stage of frac, setting plug and perforating 2nd stage.  
Pressure test BJ iron to 5,020 PSI  
Start pumping stage #1 (5631 - 5718). Open well after pressure test at 410 PSI. Broke at 3,159 PSI at a rate of 3.1 BPM. Started Acid at 3,000 PSI, at a rate of 3.5 BPM. Pumped 3 bbls of acid. Started acid flush at 3,620 PSI at a rate of 8.5 BPM. Pumped stage pad at 3,760 PSI, at a rate of 36.7 BPM. Pumped pad on perf at 3,650 PSI at a rate of 35.5 BPM. Pump STAGE 2# at 3,730 PSI at a rate of 35.4 BPM. 2# sand 1/2 way to perfs with 3,711 PSI at 35.3 BPM. 2# sand on perf with 3,667 PSI at a rate of 35.2 BPM. Pump STAGE 3.5 # at 3,610 PSI at a rate of 37.8 BPM. 3.5# sand 1/2 way to perfs with 3,527 PSI at 38.4 BPM. 3.5# sand on perf with 3,500 PSI at a rate of 38.3 BPM. Start acid at 3,455 PSI with a rate of 38.3 BPM. Pump STAGE Flush with 3,473 PSI at 38.6 BPM. Shut down with ISDP at 2,925 PSI = .95 psi/ft frac gradient. Minimum treating pressure was 3,455 PSI. Maximum treating Pressure was 3,760 PSI. Fluid to recover is 696.3 bbls. from stage 1.  
Arm guns, w/plug. Flange up and pressure test lube.  
Correlate, set plug, and perf. 2nd stage. After perforating, had a pressure drop of 1,200 PSI. Dropped from 2,925 PSI to 1,725 PSI. (see perforation summary above for details on perforations)  
  
Lay down lube and prep for pumping 2nd stage of frac.  
Safety meeting and review JSA's for pumping 2nd stage of frac.

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Frac Stage #2 (5482 - 5583) Open well with 1,740 PSI. Start pumping, broke at 2,424 PSI at a rate of 3.3 BPM. Pump STAGE PAD with 2,619 PSI at 14.8 BPM. PAD ON with 3,415 PSI at 40.2 BPM. Pump STAGE 2# Sand with 3,487 PSI at 40.9 BPM. 2# sand 1/2 way to perfs with 3,532 PSI at 41.4 BPM. 2# sand on perfs with 3,474 PSI at 41.3 BPM. Pump STAGE 3.5# with 3,340 PSI at 41 BPM. 3.5# 1/2 way to perfs with 3,305 PSI at 40.9 BPM. 3.5# on perfs with 3,207 PSI at 41.4 BPM. Start acid with 3,244 PSI at 41.2 BPM. Start flush with 3,335 PSI at 41.3 BPM. Shut down with ISDP of 2,687 PSI. Minimum pump pressure of 3,207 and a maximum pressure of 3,370 PSI. Fluid to recover is 696.3 bbls.

Monitored shut in pressures during the night. From 18:36 until 6:00am on 11-01-08 the pressure dropped from 2,687 PSI to 2,055 PSI.

11/1/2008 Rig crew and Eline crew driving time

Safety meeting and review JSA's for setting plugs and perforating

Pressure test lube, correlate and set CBP at 5,114'. Shot perfs at 5,046-40, 4,999-97, 4,970-60.

After perforating the pressure dropped from 1980 to 400 psi.

Safety meeting and review JSA's for Frac

Start pumping stage #3 (5040 - 4970). Open well after pressure test at 435 PSI. Broke at 2,642 PSI at a rate of 3.1 BPM. Broke at 1.3 bbls. Started STAGE PAD at 2,384 PSI, at a rate of 14.3 BPM. Pumped pad on perf at 3,116 PSI at a rate of 45.2 BPM. Pump STAGE 3# at 3,236 PSI at a rate of 45.1 BPM. 3# sand 1/2 way to perfs with 3,193 PSI at 45.0 BPM. 3# sand on perf with 3,104 PSI at a rate of 44.8 BPM. Pump STAGE 5 # at 2,947 PSI at a rate of 44.7 BPM. 5# sand 1/2 way to perfs with 2,929 PSI at 44.8 BPM. 5# sand on perf with 2,923 PSI at a rate of 44.8 BPM. Start acid at 2,892 PSI with a rate of 44.6 BPM. Pump STAGE Flush with 2,870 PSI at 44.3 BPM. Shut down with ISDP at 2,439 PSI = .93 psi/ft frac gradient. Minimum treating pressure was 2,384 PSI. Maximum treating Pressure was 3,236 PSI. Fluid to recover is 893.6 bbls. from stage 3.

Rig up eline and set CBP at 4,905', Shot perfs from 4764-66, 4784-86, 4808-10, 4832-34, 4860-62, 4872-74 4887-89. After perforating the pressure dropped from 3000 to 1700 psi.

Start pumping stage #4 (4887 - 4766). Open well after pressure test at 1651 PSI. Broke at 2,658 PSI at a rate of 3.1 BPM. Broke at 2 bbls. Started STAGE PAD at 3,570 PSI, at a rate of 14 BPM. Pumped pad on perf at 3,350 PSI at a rate of 45.3 BPM. Pump STAGE 3# at 3,565 PSI at a rate of 45 BPM. 3# sand 1/2 way to perfs with 3,540 PSI at 44.9 BPM. 3# sand on perf with 3,440 PSI at a rate of 44.7 BPM. Pump STAGE 5 # at 3,180 PSI at a rate of 44.7 BPM. 5# sand 1/2 way to perfs with 3,055 PSI at 44.8 BPM. 5# sand on perf with 3,067 PSI at a rate of 44.8 BPM. Start acid at 2,962 PSI with a rate of 44.8 BPM. Pump STAGE Flush with 3,180 PSI at 44.7 BPM. Shut down with ISDP at 2,226 PSI = .90 psi/ft frac gradient. Minimum treating pressure was 2,658 PSI. Maximum treating Pressure was 3,570 PSI. Fluid to recover is 7,26.1 bbls. from stage 4.

Rig up eline and set CBP at 4,692.5', Shot perfs from 4654-58, 4600-04, 4530-34. After perforating the pressure dropped from 2,000 to 1,450 psi.

Start pumping stage #5 (4530 - 4658). Open well after pressure test at 1525 PSI. Broke at 1,841 PSI at a rate of .5 BPM. Broke at .5 bbls. Restage at 1,880 PSI, and 12 BPM. Started STAGE PAD at 2,860 PSI, at a rate of 41.8 BPM. Pumped pad on perf at 2,744 PSI at a rate of 41.8 BPM. Pump STAGE 3# at 2,792 PSI at a rate of 41.8 BPM. 3# sand 1/2 way to perfs with 2,773 PSI at 41.8 BPM. 3# sand on perf with 2,955 PSI at a rate of 48.0 BPM. Pump STAGE 5 # at 2,683 PSI at a rate of 48.4 BPM. 5# sand 1/2 way to perfs with 2,623 PSI at 48.4 BPM. 5# sand on perf with 2,613 PSI at a rate of 48.4 BPM. Pump Flush with 2,580 PSI at 48.1 BPM. Shut down with ISDP at 2,085 PSI = .89 psi/ft frac gradient. Minimum treating pressure was 2,613 PSI. Maximum treating Pressure was 2,955 PSI. Fluid to recover is 626.5 bbls. from stage 5.



Rig up eline and set CBP at 4,322', Shot perfs from 4282-88, 4271-73, 4244-48. After perforating the pressure dropped from 1,700 to 1,250 psi.

Start pumping stage #6 (4244 - 4288). Open well after pressure test at 330 PSI. Broke at 1,728 PSI at a rate of 3.2 BPM. Broke at .8 bbls. Reset at 2,198 PSI, and 13.1 BPM. Started STAGE PAD at 2,854 PSI, at a rate of 33.9 BPM. Pumped pad on perf at 3,733 PSI at a rate of 48.3 BPM. Pump STAGE 3# at 3,703 PSI at a rate of 48.3 BPM. 3# sand 1/2 way to perfs with 3,657 PSI at 48.0 BPM. 3# sand on perf with 3,542 PSI at a rate of 48.0 BPM. Pump STAGE 5 # at 3,343 PSI at a rate of 48.0 BPM. 5# sand 1/2 way to perfs with 3,321 PSI at 48.1 BPM. 5# sand on perf with 3,272 PSI at a rate of 48.0 BPM. Pump Flush with 3,380 PSI at 45.0 BPM. Shut down with ISDP at 1,870 PSI = .88 psi/ft frac gradient. Minimum treating pressure was 3,272 PSI. Maximum treating Pressure was 3,733 PSI. Fluid to recover is 672.4 bbls. from stage 6.

Make up bit, sub and swedge. Pick up 1 jnt of tubing. Make up xn nipple. Pick up 62 jnts and shut in for the night.

Rig crew driving time

11/2/2008 Rig Crew Driving Time  
Safety meeting and review JSA's  
Check well pressure, open BOP, pick up pipe and tag top of kill plug. (Well Pressure 0 psi)  
Spot Swivel  
Trip out to change out BHA  
Rig up pump, Kelly hose, Swivel, hardline to pump, and nipple up annular.  
Trip in to drill plugs  
Work on power swivel and pump  
Drill up 1st plug circulate bottoms up.  
Pick up 119

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

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**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address  
116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)  
(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
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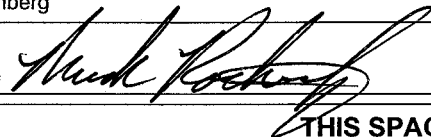
Enclosed is the Weekly Completion Activity Report from 11/3/08 to 11/9/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date

11/10/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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**NOV 17 2008**

(Instructions on page 2)

**DIV. OF OIL, GAS & MINING**

- 11/3/2008 Continue to pick up 2-7/8" J55 EUE 8 rd tubing.  
Tag sand at 3,930 ft. Pick up swivel and drill up sand, after the sand was drilled up the well started to take about a 15 bbls/hr.  
Tag top of 2nd plug, circ hole clean and drill 2nd plug. Just a little pressure increase for a couple of min.  
Tagged up 45' high and drilled up some hard sand, drilled 3rd plug. No pressure increase - static.  
  
Tagged up 45' high again, tough drilling. Tag up and drill out plug 4. No pressure increase. The well is taking about 30 bbls/hr.  
Picked up 4 jnts and drilling to 5th plug. Hard drilling again. Drilled for 2 hour and got the next jnt in. drilled for 2 more hours and got to the plug. Got it partly drilled out and ran out of water before the water truck got back. The well started taking 60 bbls/hr.  
Make preparations to trip out.  
Trip out of hole.
- 11/4/2008 Driving time - Rig crew, Slight vacuum on well  
Safety meeting  
Clean up location, service rig. (well pressure 0 )  
Spot 400 BBls tanks, haul in water, monitor well pressure. ( Slight vac at 7:00am to 8:00am)  
Continue to haul in water and monitor well pressure ( 0 PSI on well)  
Continue to monitor well pressure slight vac to 0 PSI  
Slight vacuum on well
- 11/5/2008 Rig crew Driving time (rig crew was 2 hours late)  
Safety meeting and JSA Review  
Repair pump, thaw out ice in pump lines and air lines  
Check Well Pressure, rig in pump lines and prep for foam unit. (slight vacuum on well )  
Rig in foam unit  
Trip in with new BHA to 4,506 ft, pick up string float and break circulation. Bit serial # (S55434)  
Review procedures with all personnel, trip in 10 stands to top of 5th plug  
Went to pick up swivel and it quit running. Swivel down time is (1.5 hours)  
Picked up swivel, circulate bottoms up and drill on #5 plug.  
Bad lighting around flat tank, foam unit, crown and in areas under the floor. Because of safety issues, tripped out above the top perms and drained up lines. The crew can get some sleep and be back at 6:30 in the morning.  
Secure the well, drain up pump and lines.  
Rig crew Driving time.  
Monitor well pressure: Annular Pressure at 5:00am 11-6-08 is 250 PSI.
- 11/6/2008 Rig crew driving time. Crew is 1 hour late.  
Safety meeting and review JSA and procedure for foam operation.  
Make up pump lines, start swivel and warm up.  
Trip in hole,  
Pick up swivel, tag top of plug 5, circulate foam to surface.  
Drill up plug 5  
Tagged 50' high above 6th plug  
Drill up plug 6  
Drill to 5,680' and circulated hole clean. Blow down well.  
Lay down swivel and trip above the perms.

Drain lines  
Rig crew driving Time.  
Monitor well pressure 240 PSI

- 11/7/2008 Rig crew driving time, Well Testers blow down well from 240 PSI to 0. (rig crew 1 hour late)  
Safety meeting and review todays procedures.  
Make preperation to trip in the hole.  
Trip in the hole to 5,680  
Drill to 5,843'  
Annular preventer element is bad, replaced element  
Rig in floor and pick up swevel  
Drill to PBTD (5891')  
Circulate bottoms up +30 bbls of foam and blow well down.  
Pump 20 bbl slug and trip out  
Drain lines, monitor well pressure  
Rig crew driving time, monitor well pressure.  
Monitor well pressure at 5:00am the well has 250 PSI.
- 11/8/2008 Blow down well  
Wait on rig crew (They were asked to be on location at 9:30am)  
Review trip procedures  
Pick up 1 single, trip in 65 stands, make up string float, trip in 27 stands, make up safety valve.  
Close BOP's and secure well.  
Rig Crew driving time, monitor well pressure.  
Monitor well pressure  
20 PSI on well, blow down.
- 11/9/2008 Driving time for rig crew  
Start rig, change into greasers, review procedures and JSA's.  
Trip out and lay down BHA.  
Run in production string as follows-Tapped Bull Plug, 1 jnt J55 6.5# 2.875 EUE, 4' and 6'  
perforated pups 2.875 EUE, Seat Nipple 2.875 EUE w/ 2.25" ID, 50 jnts J55 6.5# 2.875 EUE,  
Weatherford 5.5" x 2.875" BA Anchor set in 15K Tension at 4,200.71', 132 jnts J55 6.5# EUE, 2"  
2.875 EUE Nipple Pin x Pin, Tbg Hanger 7-1/16" X 2-7/8" BXB 5K. Total length 5,813.26', w/KB  
5,826.26' (KB=13')  
Nipple down, space out, set anchor and land Production string.  
Circulate w/foam unit down the casing and back through test unit. 1/2 bbl returned.  
Monitor well pressure. (Well Pressure at 5:30am casing= 1,400 PSI, Tubing= 0 PSI)

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

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UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

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Vantage Energy Uinta LLC

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3b. Phone No. (include area code)

(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
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Wildcat

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11. Country or Parish, State  
Duchesne County, UT

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Enclosed is the Weekly Completion Activity Report from 11/10/08 to 11/16/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date 11/17/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

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(Instructions on page 2)

**RECEIVED**

**NOV 19 2008**

**DIV. OF OIL, GAS & MINING**

- 11/10/2008 Driving time for rig crew (40 min late, no pusher, they said he called in sick. 4 man crew)  
Review procedures and JSA's, Released Foam unit.  
Thaw out flow lines to test unit, and well head. Release rig crew for the day.  
Continue to thaw out well head and flow lines. Installing heat trace and insulation on flow lines.  
Monitor well pressure and heat well head. At 5:00am (Casing Pressure 1,200 PSI Tubing Pressure 0 PSI )
- 11/11/2008 Rig crew driving time  
Safety meeting, review swabbing procedures, and JSA  
Prepare swabbing equipment, and pick up lube. Haul off water and release water tanks. Continue to install heat trace on flowback lines and related equipment.  
Rig crew working on sand line breaks.  
Rig up floor and pick up lub.  
Open well and run in with weight bars. Tag oil at 20' down. Dumped 10 gals. Diesel down string and work on it. Dropped through with weight bars and continued to 200'.  
Worked down to 200' with the diesel. Continuing to work with the diesel. Put on cups and swabbed to 200'.  
Down to 2,349', tagged up with cups on. Couldn't get through. Pulled out and went back in with just the weight bars. Got through with the weight bars, worked it in and out 6 times, weight bars go through it like its not there. Pulled out and went in with cups and stacked out at 2,349' again. Pulled out and run through it again with weight bars, went to top of seat nipple at 5,783'. pulled out. Run in with cup and tagged up at 2,349. pulled out.  
Secured well for the night  
Rig crew driving time  
Monitor well pressure.
- 11/12/2008 Driving time for rig crew  
Safety meeting, review procedures and JSA's  
Check tubing pressure, pick up lube, run in with 1/2 cup. Pulled out with thick tar on cup.  
Run in with just mandrill, drug something up hole for about 40' and lost it. No indication on mandrill what it was.  
Run in again with just the mandrill. Got down through tight spot.  
Run in with a mandrill, 2-3/8", unable to get through the tight spot. Continue to work tight spot with mandrill. Run 2-3/8" mandrill to top of seat nipple, Picked up 2-7/8 mandril and unable to get down below the tight spot at 2,349'.  
Lay down lub, rig down floor, Unload BOPE.  
Unland hanger and release anchor.  
Nipple up BOP.  
Rig up floor and tongs, eat lunch.  
Trip out 36 stands and 1 single. Lay down 3 jnts  
Secured the well for the night.  
Driving time for rig crew  
Monitor well pressure (5:00am casing pressure = 280 PSI , Tubing pressure = 15 PSI )
- 11/13/2008 Driving time for rig crew (rig crew 45 min late)  
Safety meeting, review procedures and JSA's  
Rabbit Jnts on catwalk, replace 2 bad jnts, pick up jnts on catwalk and run 2.345" mandrill to seat nipple.

Rabbit stands in the derrick and run in 33 stands.  
Pick up lub, run in 3,000' with 2.345" mandrill. Lay down lub.  
Hang of tubing w/ hanger, rig down floor, and nipple down BOPE  
Space out, set anchor and land hanger. Set anchor at 4,200.24', Hanger landed w/15k tension.  
Flange up flow lines to test unit  
Swab  
Monitor well pressures. ( Casing Pressure at 5:00am = 300 psi, Tubing pressure = 12 psi)  
Sand today= Est. 1 cup  
Total Oil today= 1.75 bbls  
Total Oil todate= 13.25 bbls  
Water recovered today= 64 bbls  
Total water to recover= 4,114 bbls

11/14/2008 Rig crew driving time (rig crew 1:45 hour late)  
Safety meeting, review procedures and JSA's.  
Prepare rig and other related equipment to run rods.  
Pick up and run in Dip tube w/ strainer (10.78'), Weatherford pump 32368 (2.50"x1.5"x20'x22'x22.5'  
Set clamp and secure well  
Rig crew driving time  
Sand today= Est. 1 cup  
Total Oil today= 1.75 bbls  
Total Oil todate= 13.25 bbls  
Water recovered today= 64 bbls  
Total water to recover= 4,114 bbls

11/15/2008 Rig crew driving time  
Safety meeting, review procedures and JSA's  
Lay down rig and pull away from well. (Hydrolic problems and couldn't lay the derrick over for 2  
Clean up around well and spot pump  
Load up rod trailer and to return to Weatherford  
load up pipe racks and catwalk- hauled back to Stone Well Service  
Rig up pump and hook up to polished rod.  
Pumping, by-passing test unit during clean up.  
Sand today= 0  
Total Oil today= 0 bbls  
Total Oil todate= 13.25 bbls  
Water recovered today= 55 bbls  
Total water to recover= 4,059 bbls

11/16/2008 Test well through test unit  
Sand today= 0  
Total Oil today= 0 bbls  
Total Oil todate= 13.25 bbls  
Water recovered today= 137 bbls  
Total water to recover= 3,922 bbls

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.

Gilsonite Draw Unit UTU86249X

8. Well Name and No.

Gilsonite 1-20

9. API Well No.

43-013-34037

10. Field and Pool or Exploratory Area

Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

11. Country or Parish, State

Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Completion Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Weekly Completion Activity Report from 11/24/08 to 11/30/08.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature

Date

12/1/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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**DEC 09 2008**

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11/24/2008 Continue to test well, by-passing test unit and sending water to water tank.  
Shut well in and service pump jack. Shut back side in to build up pressure to take gas samples.  
Take gas samples and open up to pit. Start up pump jack and continue to test well, by-passing test unit and sending water to water tank.

Sand today= Trace to none of solids  
Total Oil today= 4.0 bbls  
Total Oil todate= 62.1 bbls  
Water recovered today= 239 bbls  
Total water to recover= 1,967 bbls  
Total gas today= 89.78 MSCF/day  
Cum Gas todate= 283.88 MSCF

11/25/2008 Continue to test well, by-passing test unit and sending water to water tank.  
Continue to test well, by-passing test unit and sending water to water tank. Shut in casing to build pressure for gas sample.  
Open casing and continue to test well, by-passing test unit and sending water to water tank.

Sand today= Trace to none of solids  
Total Oil today= 3.0 bbls  
Total Oil todate= 65.1 bbls  
Water recovered today= 202 bbls  
Total water to recover= 1,765 bbls  
Total gas today= 105.05 MSCF/day  
Cum Gas todate= 388.93 MSCF

11/26/2008 Continue to test well, by-passing test unit and sending water to water tank.  
Continue to test well, by-passing test unit and sending water to water tank. Newfield hand shot level in casing. Saw 2 levels, one at 60' and the other at 200'.  
Shut in well to service and adjust stroke on jack.  
Continue to test well, by-passing test unit and sending water to water tank.  
Shut in well to tie-in line heater.  
Continue to test well, by-passing test unit and sending water to water tank.

Sand today= Trace to no solids  
Total Oil today= 9.0 bbls  
Total Oil todate= 74.1 bbls  
Water recovered today= 205 bbls  
Total water to recover= 1,560 bbls  
Total gas today= 136.34 MSCF/day  
Cum Gas todate= 525.27 MSCF

11/27/2008 Continue to test well, by-passing test unit and sending water to water tank.

Sand today= Trace to no solids  
Total Oil today= 22.0 bbls  
Total Oil todate= 96.1 bbls  
Water recovered today= 171 bbls  
Total water to recover= 1,389 bbls

Total gas today= 169.11 MSCF/day  
Cum Gas todate= 694.38 MSCF

11/28/2008 Continue to test well, by-passing test unit and sending water to water tank.  
Shut in well and rigged in chemical injection pump.  
Open well through test unit. Continue to test well. (running heaters off well gas)

Sand today= Trace to no solids  
Total Oil today= 25.0 bbls  
Total Oil todate= 121.1 bbls  
Water recovered today= 217 bbls  
Total water to recover= 1,172 bbls  
Total gas today= 165.43 MSCF/day  
Cum Gas todate= 859.81 MSCF

11/29/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 12.5 bbls  
Total Oil todate= 133.6 bbls  
Water recovered today= 182 bbls  
Total water to recover= 990 bbls  
Total gas today= 181.35 MSCF/day  
Cum Gas todate= 1041.16 MSCF

11/30/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 7.25 bbls  
Total Oil todate= 140.85 bbls  
Water recovered today= 218 bbls  
Total water to recover= 772 bbls  
Total gas today= 201.55 MSCF/day  
Cum Gas todate= 1242.71 MSCF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

10. Field and Pool or Exploratory Area  
Wildcat

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Completion Activity
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Enclosed is the Weekly Completion Activity Report from 12/01/08 to 12/07/08.

**RECEIVED**

**DEC 15 2008**


**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date

12/18/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

12/1/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 10.25 bbls  
Total Oil todate= 151.10 bbls  
Water recovered today= 232 bbls  
Total water to recover= 540 bbls  
Total gas today= 205.19 MSCF/day  
Cum Gas todate= 1447.90 MSCF

12/2/2008 Continue to test well through test unit.

Continue to test well through test unit, Pump 25 bbls produced water down casing at 200 deg.  
Continue to test well through test unit, Shot casing fluid level. (2,353' below surface w/ 240 psi on  
Continue to test well through test unit. Open casing to pit on 12/64 choke, continue test.  
Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 9.75 bbls  
Total Oil todate= 160.85 bbls  
Water recovered today= 235 bbls  
Total water to recover= 330 bbls  
Total gas today= 188.16 MSCF/day  
Cum Gas todate= 1636.06 MSCF

12/3/2008 Continue to test well through test unit.

Shut down pump for service, and adjust stroke.  
Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 8.20 bbls  
Total Oil todate= 169.05 bbls  
Water recovered today= 214 bbls  
Total water to recover= 116 bbls  
Total gas today= 203.64 MSCF/day  
Cum Gas todate= 1839.70 MSCF

12/4/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
Total Oil today= 5.0 bbls  
Total Oil todate= 174.05 bbls  
Water recovered today= 235 bbls  
Total water to recover= -119 bbls  
Total gas today= 202.41 MSCF/day  
Cum Gas todate= 2042.11 MSCF

12/5/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
 Total Oil today= 4.0 bbls  
 Total Oil todate= 178.05 bbls  
 Water recovered today= 232 bbls  
 Total water to recover= -351 bbls  
 Total gas today= 200.98 MSCF/day  
 Cum Gas todate= 2243.09 MSCF

12/6/2008 Continue to test well through test unit.

Sand today= Trace to no solids  
 Total Oil today= 4.25 bbls  
 Total Oil todate= 182.30 bbls  
 Water recovered today= 229 bbls  
 Total water to recover= -580 bbls  
 Total gas today= 205.80 MSCF/day  
 Cum Gas todate= 2448.89 MSCF

12/7/018 Continue to test well through test unit.

Sand today= Trace to no solids  
 Total Oil today= 4.0 bbls  
 Total Oil todate= 186.30 bbls  
 Water recovered today= 227 bbls  
 Total water to recover= -807 bbls  
 Total gas today= 206.40 MSCF/day  
 Cum Gas todate= 2655.29 MSCF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-78237

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Vantage Energy Uinta LLC

3a. Address

116 Inverness Dr East #107, Englewood, CO 80112

3b. Phone No. (include area code)

(303) 386-8600

7. If Unit of CA/Agreement, Name and/or No.  
Gilsonite Draw Unit UTU86249X

8. Well Name and No.  
Gilsonite 1-20

9. API Well No.  
43-013-34037

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1205' FNL & 1202' FWL (NWNW)  
Sec 20-T6S-R3W 39.949320LAT 110.251084 LON

10. Field and Pool or Exploratory Area  
Wildcat

11. Country or Parish, State  
Duchesne County, UT

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Completion Activity</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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Enclosed is the Weekly Completion Activity Report from 12/08/08 to 12/15/08.

Well completion activity is suspended do to stipulations.

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DEC 22 2008


DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Mark Rothenberg

Title Senior Engineer

Signature



Date 12/16/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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(Instructions on page 2)

12/8/2008 Continue to test well through test unit.  
Continue to test well through test unit. Shot fluid level on the casing. (2,050' from surface w/ 270  
Continue to test well through test unit. Open casing with 400 psi on 12/64 choke.  
Continue to test well through test unit. Open casing with 400 psi on 14/64 choke.  
Continue to test well through test unit. Open casing with 300 psi on 18/64 choke.

Sand today= Trace to no solids  
Total Oil today= 4.0 bbls  
Total Oil todate= 190.30 bbls  
Water recovered today= 229 bbls  
Total water to recover= -1,036 bbls  
Total gas today= 284.90 MSCF/day  
Cum Gas todate= 2940.19 MSCF

12/9/2008 Continue to test well through test unit. Casing on 18/64 choke.  
Continue to test well through test unit. Casing on 20/64 choke.  
Continue to test well through test unit. Casing on 22/64 choke.  
Continue to test well through test unit. Casing on 24/64 choke.

Sand today= Trace to no solids  
Total Oil today= 4.0 bbls  
Total Oil todate= 194.30 bbls  
Water recovered today= 228 bbls  
Total water to recover= -1,264 bbls  
Total gas today= 313.24 MSCF/day  
Cum Gas todate= 3237.44 MSCF

12/10/2008 Continue to test well through test unit. Casing on 24/64 choke.  
Continue to test well through test unit. Casing on 26/64 choke.

Sand today= Trace to no solids  
Total Oil today= 4.0 bbls  
Total Oil todate= 198.30 bbls  
Water recovered today= 227 bbls  
Total water to recover= -1,491 bbls  
Total gas today= 351.55 MSCF/day  
Cum Gas todate= 3,588.99 MSCF

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DIV. OF OIL, GAS & MINING

12/11/2008 Shut in rental pump jack, continue to test gas up casing on a 26/64th choke.  
Continue to test gas up casing on a 28/64th choke.  
Continue to test gas up casing on a 28/64th choke. Start Rigging out flow lines and test unit.  
Continue to test gas up casing on a 28/64th choke, rig down flow lines and test unit. Rig down  
pump jack, unseat pump, pump 1.5 bbls of diesel down tubing. Land pump and secure well.  
Continue to test gas up casing on a 28/64th choke, rig out test unit, and clean water tank w/ hot  
oiler.  
Continue to test gas up casing on a 28/64th choke, rig out test unit.  
Continue to test gas up casing on a 28/64th choke.

Total gas today= 152.29 MSCF/day

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Cum Gas todate= 3,741.29 MSCF

12/12/2008 Continue to test gas up casing on a 28/64th choke.  
Continue to test gas up casing on a 28/64th choke. Heat oil tank and prep for spec.  
Continue to test gas up casing on a 28/64th choke. Haul test unit out.  
Continue to test gas up casing on a 28/64th choke. Pull water off bottom of oil tank.  
Continue to test gas up casing on a 28/64th choke. Haul line heater out.  
Continue to test gas up casing on a 28/64th choke. Fence off reserve pit, clean up location.  
Take gas sample, and oil samples for spec. Shut casing in at 5:00 pm.  
Rig out Flow line to pit.

Oil sample has a 36.6 gravity at 190 deg.F, This is around 24-25 API gravity at 60 deg. F

Total gas today= 53.01 MSCF/day

Cum Gas todate= 3,794.30 MSCF

12/13/2008 Load out oil from oil tank and ship to market.  
Pump 2.5 bbls diesel down casing.  
Continue to rig out equipment and clean location.  
Clean oil tank and prep for shipping.  
Continue to clean up location and prep items for shipping.

12/14/2008 Rig out, haul off equipment, clean location.

Note: All equipment is off location and well is prep'd for winter and secured. Reserve pit is fenced in.

12/15/2008 Sign final tickets, take pic's of location, deliver water samples to BJ's lab in Vernal.

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DEC 22 2008

DIV. OF OIL, GAS & MINING

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**CONFIDENTIAL**FOR APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. <b>UTU-78237</b>
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name
2. Name of Operator <b>Vantage Energy Uinta LLC</b>		7. Unit or CA Agreement Name and No. <b>Gilsonite Draw UTU86249X</b>
3. Address <b>116 Inverness Dr. East #107, Englewood, CO 80112</b>	3a. Phone No. (include area code) <b>303-386-8600</b>	8. Lease Name and Well No. <b>Gilsonite 1-20</b>
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface <b>1205' FNL &amp; 1202' FWL (NWNW)</b> At top prod. interval reported below <b>884' FNL &amp; 1677' FWL (NENW)</b> At total depth <b>811' FNL &amp; 1946' FWL (NENW)</b> <i>per HSM review</i>		9. AFI Well No. <b>43-013-34037</b>
14. Date Spudded <b>09/06/2008</b>	15. Date T.D. Reached <b>10/18/2008</b>	10. Field and Pool, or Exploratory <b>Wildcat</b>
16. Date Completed <b>12/15/2008</b> <input type="checkbox"/> D & A <input type="checkbox"/> Ready to Prod.		11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 20-T6S-R3W</b>
17. Elevations (DF, RKB, RT, GL)* <b>G.L.=7062 K.B.=7065</b>		12. County or Parish <b>Duchesne</b>
		13. State <b>UT</b>

18. Total Depth: MD <b>5975'</b> TVD <b>5903'</b>	19. Plug Back T.D.: MD <b>5891'</b> TVD <b>5820</b>	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>Spectral Density, Dual Spaced Neutron, Array Compensated, True Resistivity</b>		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8 J55	24#	0	378'		275	21	Surface	
7-7/8"	5-1/2 K55	17#	0	5965'		601 "G"	141	Surface	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875"	5826'							

## 25. Producing Intervals

Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status
A) See Attached			See Attached			
B) WSTL			4244 - 5710			
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
See Attached	

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/15/2008	12/10/2008	24	→	4	352	227			Pumping
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→	4	352	227		SI	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Green River Mahogany Douglas Creek Black Shale Castle Peak Uteland Butte Wasatch	1154' 2352' 4085' 4689' 5039' 5476' 5696'

## 32. Additional remarks (include plugging procedure):

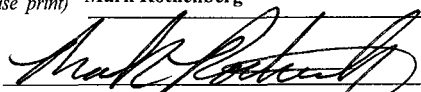
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)   
 ☐ Geologic Report   
 ☐ DST Report   
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification   
 ☐ Core Analysis   
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) **Mark Rothenberg**Title **Senior Engineer**

Signature



Date

5/28/09

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Gilsonite 1-20**  
**43-013-34037**

<b>25. Producing Intervals</b>		
Perforated Interval	Top	Bottom
Douglas Creek	4085	4688
Black Shale	4689	5038
Castle Peak	5039	5475
Uteland Butte	5476	5695
Wasatch	5696	5718

<b>26. Perforation Record</b>			
Perforated Interval	Size	No. of Holes	Perf Status
5631-5718	0.35	16	OPEN
5482-5583	0.35	16	OPEN
4960-5046	0.35	36	OPEN
4764-4889	0.35	28	OPEN
4530-4658	0.35	24	OPEN
4244-4288	0.35	24	OPEN

<b>27. Acid, Fracture, Treatment, Cement Squeeze, Etc.</b>	
Depth Interval	Amount and Type of Material
5631-5718	22,415 gal. Lightening 2000 gel; 40,023 lbs. 16/30 white sand
5482-5583	22,415 gal. Lightening 2000 gel; 40,407 lbs. 16/30 mesh
4960-5046	31,214 gal. Lightening 2000 gel; 86,371 lbs. 16/30 mesh
4764-4889	24,695 gal. Lightening 2000 gel; 67,518 lbs. 16/30 white sand
4530-4658	20,998 gal. Lightening 2000 gel; 58,000 lbs. 16/30 white sand
4244-4288	24,643 gal. Lightening 2000 gel; 74,743 lbs. 16/30 white sand



*End of Well Report*

**Vantage Energy**  
**MS #0832-428-617**

**Gilsonite #1-20**  
**Duchesne County, Utah**  
**Xtreme 1**

**Prepared By:**  
**Kristi Holguin**

**October 22, 2008**

2511 North Frazier • Conroe, Texas 77301  
P.O. Box 3047 • Conroe, Texas 77305-3047  
Office: (936) 441-6630 • Watts: (800) 769-5988 • Fax: (936) 539-1075  
[www.multi-shotllc.com](http://www.multi-shotllc.com)

***Actual Well & Surveys 1***



***Daily Reports 2***

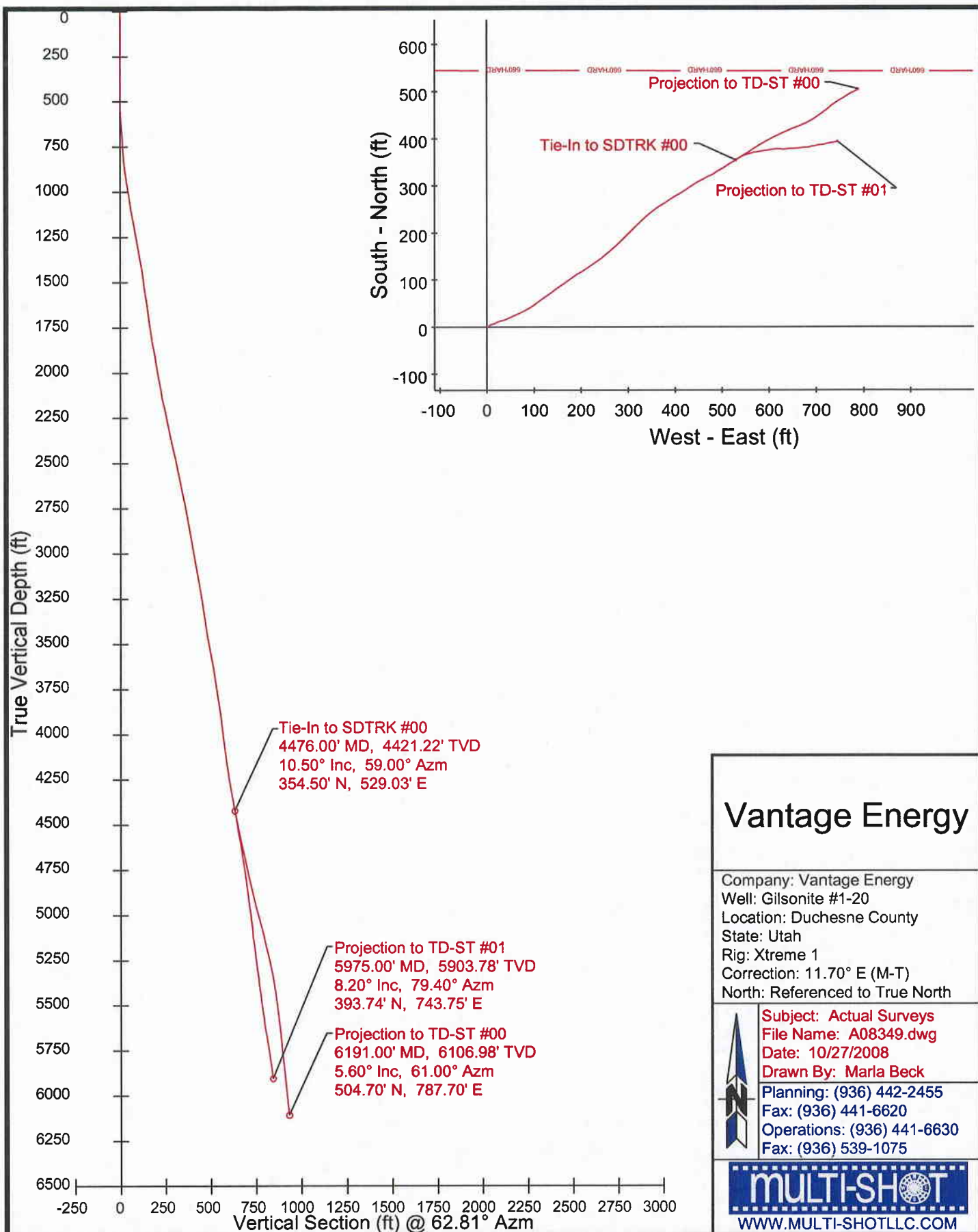


***BHA's 3***



***Support Staff 4***





## Vantage Energy

Company: Vantage Energy  
 Well: Gilsonite #1-20  
 Location: Duchesne County  
 State: Utah  
 Rig: Xtreme 1  
 Correction: 11.70° E (M-T)  
 North: Referenced to True North



**Subject: Actual Surveys**  
**File Name: A08349.dwg**  
**Date: 10/27/2008**  
**Drawn By: Marla Beck**  
**Planning: (936) 442-2455**  
**Fax: (936) 441-6620**  
**Operations: (936) 441-6630**  
**Fax: (936) 539-1075**

**MULTI-SHOT**  
 WWW.MULTI-SHOTLLC.COM

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.



Job Number: P08-349

Company: Vantage Energy

Lease/Well: Gilsonite #1-20

Location: Duchesne County

Rig Name: Xtreme 1

RKB: 12'

G.L. or M.S.L.: 7060'

State/Country: Utah

Declination: 11.70° E (M-T)

Grid: Referenced to True North

File name: F:\WELLPL~1\2008\IP08340\SIP08349\08349.SVY

Date/Time: 22-Oct-08 / 14:49

Curve Name: SDTRK #00

WINSERVE PROPOSAL REPORT  
*Minimum Curvature Method*  
*Vertical Section Plane 55.12*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
417.00	.40	84.00	417.00	.15	1.45	1.27	1.46	84.00	.10
462.00	.50	32.40	462.00	.33	1.71	1.59	1.74	78.93	.89
507.00	1.10	38.10	506.99	.84	2.08	2.19	2.24	68.02	1.34
552.00	2.20	46.90	551.97	1.77	2.98	3.46	3.46	59.27	2.50
597.00	2.90	50.50	596.93	3.08	4.49	5.44	5.44	55.50	1.59
642.00	3.60	56.20	641.85	4.59	6.54	7.99	7.99	54.91	1.71
687.00	3.60	67.00	686.77	5.93	9.01	10.79	10.79	56.65	1.50
733.00	4.10	70.30	732.66	7.05	11.89	13.79	13.82	59.33	1.19
778.00	4.70	72.60	777.53	8.14	15.17	17.10	17.21	61.76	1.39
823.00	5.40	72.30	822.35	9.34	18.94	20.88	21.12	63.75	1.56
869.00	6.70	69.40	868.10	10.94	23.52	25.55	25.94	65.05	2.90
914.00	7.70	72.10	912.74	12.79	28.84	30.98	31.55	66.08	2.35
959.00	8.70	69.60	957.28	14.91	34.90	37.15	37.95	66.87	2.36
1004.00	8.90	69.50	1001.75	17.31	41.35	43.82	44.83	67.28	.45
1094.00	9.70	64.40	1090.57	23.03	54.71	58.05	59.36	67.18	1.28
1184.00	10.60	64.20	1179.16	29.90	69.00	73.71	75.20	66.57	1.00
1275.00	10.80	62.50	1268.58	37.48	84.10	90.43	92.07	65.98	.41
1365.00	9.30	57.20	1357.20	45.32	97.69	106.06	107.69	65.11	1.96
1455.00	9.20	53.00	1446.03	53.59	109.55	120.51	121.96	63.93	.76
1546.00	8.00	54.20	1536.00	61.67	120.50	134.12	135.36	62.90	1.33
1636.00	8.20	53.30	1625.10	69.17	130.72	146.79	147.89	62.12	.26
1726.00	7.90	55.40	1714.22	76.52	140.96	159.39	160.39	61.51	.47

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
				FT	FT	FT	Distance FT	Direction Deg	
1786.00	8.70	53.90	1773.59	81.53	148.02	168.05	168.99	61.15	1.38
1846.00	9.00	56.30	1832.87	86.81	155.59	177.28	178.17	60.84	.79
1906.00	10.00	52.60	1892.05	92.58	163.64	187.18	188.01	60.50	1.95
1980.00	10.20	55.90	1964.91	100.15	174.16	200.15	200.91	60.10	.83
2042.00	10.20	54.90	2025.93	106.39	183.20	211.13	211.85	59.86	.29
2102.00	10.10	58.50	2084.99	112.19	192.03	221.69	222.40	59.71	1.07
2162.00	11.10	57.20	2143.96	118.07	201.38	232.72	233.44	59.62	1.71
2222.00	11.80	57.60	2202.77	124.48	211.41	244.62	245.34	59.51	1.17
2313.00	12.70	55.30	2291.70	135.17	227.49	263.92	264.62	59.28	1.12
2403.00	11.90	51.40	2379.63	146.59	242.88	283.07	283.68	58.89	1.28
2493.00	12.60	49.80	2467.58	158.71	257.63	302.10	302.59	58.36	.86
2583.00	11.80	46.90	2555.55	171.34	271.84	320.99	321.33	57.78	1.12
2674.00	12.50	46.70	2644.51	184.45	285.80	339.94	340.15	57.16	.77
2764.00	12.00	45.30	2732.46	197.71	299.54	358.79	358.91	56.57	.65
2854.00	11.00	46.00	2820.65	210.25	312.37	376.49	376.54	56.06	1.12
2944.00	10.30	45.40	2909.10	221.87	324.28	392.90	392.91	55.62	.79
3035.00	10.50	48.90	2998.61	233.03	336.32	409.16	409.16	55.28	.73
3125.00	10.10	52.80	3087.16	243.19	348.78	425.20	425.20	55.11	.89
3215.00	10.10	54.30	3175.76	252.57	361.48	440.97	440.97	55.06	.29
3305.00	9.10	57.90	3264.50	260.96	373.92	455.97	455.97	55.09	1.30
3395.00	9.20	56.60	3353.36	268.70	385.95	470.27	470.27	55.15	.26
3486.00	10.00	58.30	3443.08	276.86	398.75	485.44	485.44	55.23	.93
3576.00	9.40	59.00	3531.80	284.75	411.70	500.57	500.57	55.33	.68
3666.00	9.30	57.80	3620.60	292.41	424.15	515.17	515.17	55.42	.24
3755.00	9.40	56.30	3708.42	300.27	436.28	529.62	529.63	55.46	.30
3846.00	8.40	59.70	3798.32	307.75	448.20	543.67	543.69	55.53	1.24
3935.00	7.80	63.70	3886.43	313.71	459.23	556.13	556.15	55.66	.92
4026.00	7.10	64.40	3976.67	318.87	469.84	567.78	567.83	55.84	.78
4116.00	7.30	61.30	4065.96	324.02	479.87	578.96	579.02	55.97	.49
4206.00	8.40	58.10	4155.11	330.24	490.47	591.21	591.28	56.05	1.31
4296.00	9.60	56.90	4244.00	337.81	502.33	605.27	605.36	56.08	1.35
4386.00	10.10	58.00	4332.68	346.09	515.31	620.65	620.75	56.11	.59
4476.00	10.50	59.00	4421.22	354.50	529.03	636.72	636.83	56.17	.49
4566.00	11.80	59.60	4509.52	363.38	544.00	654.07	654.20	56.26	1.45
4656.00	13.60	55.40	4597.32	374.05	560.65	673.83	673.97	56.29	2.25
4746.00	11.60	58.90	4685.15	384.73	577.11	693.44	693.59	56.31	2.38
4836.00	12.40	58.90	4773.18	394.40	593.13	712.12	712.29	56.38	.89
4927.00	13.50	63.60	4861.87	404.17	611.01	732.37	732.59	56.52	1.67
5018.00	13.60	67.50	4950.34	412.98	630.41	753.33	753.64	56.77	1.01
5108.00	14.50	68.20	5037.64	421.22	650.65	774.64	775.09	57.08	1.02
5178.00	14.10	67.90	5105.48	427.68	666.69	791.49	792.07	57.32	.58
5242.00	13.10	65.00	5167.68	433.68	680.48	806.24	806.93	57.49	1.89



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
5312.00	12.50	58.10	5235.95	441.03	694.11	821.62	822.37	57.57	2.34
5407.00	11.70	50.40	5328.84	452.61	710.26	841.49	842.21	57.49	1.89
5505.00	8.50	50.20	5425.31	463.58	723.48	858.61	859.26	57.35	3.27
5575.00	7.70	51.80	5494.61	469.79	731.14	868.45	869.06	57.28	1.19
5647.00	6.80	54.40	5566.03	475.26	738.40	877.53	878.12	57.23	1.33
5738.00	5.70	57.00	5656.49	480.85	746.57	887.43	888.02	57.22	1.25
5827.00	5.80	61.70	5745.04	485.39	754.23	896.31	896.93	57.24	.54
5917.00	6.60	59.80	5834.52	490.15	762.71	905.99	906.63	57.27	.92
6007.00	6.50	58.20	5923.93	495.44	771.51	916.23	916.89	57.29	.23
6097.00	5.60	61.00	6013.43	500.25	779.68	925.68	926.36	57.32	1.05
Projection to TD-ST #00									
6191.00	5.60	61.00	6106.98	504.70	787.70	934.81	935.52	57.35	.00



Job Number: P08-349  
 Company: Vantage Energy  
 Lease/Well: Gilsonite #1-20  
 Location: Duchesne County  
 Rig Name: Xtreme 1  
 RKB: 12'  
 G.L. or M.S.L.: 7060'

State/Country: Utah  
 Declination: 11.70° E (M-T)  
 Grid: Referenced to True North  
 File name: F:\WELLPL~1\2008\IP08340\S\IP08349\08349.SVY  
 Date/Time: 22-Oct-08 / 14:47  
 Curve Name: SDTRK #01

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 62.81  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Tie-In to SDTRK #00									
4476.00	10.50	59.00	4421.22	354.50	529.03	632.56	636.82	56.17	.00
4508.00	10.60	58.50	4452.68	357.54	534.04	638.40	642.68	56.20	.42
4555.00	9.80	59.90	4498.94	361.80	541.19	646.71	650.99	56.24	1.78
4600.00	8.90	68.70	4543.34	364.99	547.74	653.99	658.21	56.32	3.75
4645.00	9.00	74.20	4587.79	367.21	554.37	660.91	664.96	56.48	1.91
4691.00	9.10	78.20	4633.22	368.94	561.40	667.94	671.77	56.69	1.38
4736.00	9.50	77.50	4677.63	370.47	568.50	674.96	678.56	56.91	.92
4781.00	9.40	78.50	4722.02	372.00	575.73	682.09	685.46	57.13	.43
4826.00	9.00	83.00	4766.44	373.17	582.83	688.94	692.05	57.37	1.83
4871.00	8.10	84.00	4810.94	373.93	589.47	695.20	698.07	57.61	2.03
4916.00	8.00	80.80	4855.50	374.76	595.72	701.13	703.79	57.83	1.02
4960.00	7.60	78.80	4899.09	375.81	601.59	706.84	709.33	58.01	1.10
5005.00	8.00	83.10	4943.67	376.77	607.62	712.64	714.95	58.20	1.57
5050.00	8.40	87.10	4988.21	377.31	614.01	718.57	720.68	58.43	1.55
5095.00	7.70	89.70	5032.77	377.49	620.31	724.25	726.14	58.68	1.75
5141.00	6.60	92.90	5078.41	377.37	626.03	729.29	730.98	58.92	2.54
5185.00	6.50	91.10	5122.12	377.20	631.05	733.67	735.19	59.13	.52
5231.00	7.40	83.00	5167.79	377.51	636.59	738.75	740.11	59.33	2.89
5276.00	8.10	83.10	5212.38	378.24	642.61	744.44	745.67	59.52	1.56
5321.00	7.80	86.10	5256.94	378.83	648.81	750.22	751.31	59.72	1.14

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
						Distance FT	Direction Deg		
5366.00	7.80	87.20	5301.53	379.19	654.90	755.80	756.76	59.93	.33
5411.00	7.50	85.60	5346.13	379.56	660.88	761.29	762.12	60.13	.82
5456.00	7.70	82.90	5390.73	380.16	666.80	766.83	767.56	60.31	.91
5501.00	7.70	85.00	5435.33	380.80	672.80	772.45	773.09	60.49	.63
5546.00	8.00	82.10	5479.90	381.49	678.90	778.20	778.74	60.67	1.10
5591.00	8.40	81.20	5524.44	382.42	685.25	784.27	784.74	60.84	.93
5636.00	8.40	80.60	5568.96	383.46	691.74	790.52	790.92	61.00	.19
5682.00	9.20	79.60	5614.42	384.68	698.67	797.24	797.57	61.16	1.77
5727.00	9.60	78.80	5658.82	386.05	705.89	804.29	804.56	61.33	.94
5772.00	9.40	77.90	5703.20	387.55	713.17	811.45	811.67	61.48	.55
5817.00	9.40	78.30	5747.59	389.07	720.36	818.54	818.71	61.63	.15
5862.00	9.30	77.70	5792.00	390.59	727.51	825.59	825.73	61.77	.31
5907.00	8.20	79.40	5836.47	391.95	734.22	832.18	832.29	61.91	2.51
Projection to TD-ST #01									
5975.00	8.20	79.40	5903.78	393.74	743.75	841.48	841.54	62.10	.00



## DAILY DRILLING REPORT

[illegible]

[illegible]





## DAILY DRILLING REPORT

[illegible]



## DAILY DRILLING REPORT

[illegible]



**multi-SHOT**  
Directional Services  
**DAILY DRILLING REPORT**

Company	Vantage Energy					Rig Name		Extreme # 1		Report Date		10/17/08			
Well	Gilsonite 1-20					Multi-Shot Job Number		0832-428-617		Report Number		6			
Field	0					Directional Spvrs		Jerry D Jones/Tim D Owen		Total Days on Job		6			
Location	Duchesne Co, UT					MWD Operator		Eric Fields		Today's Est. Cost		\$ 8,525			
AFE No.	2008-D-008					Company Man		Dawn Gerrard		Cumulative Job Cost		\$ 51,150			
From	Hrs	DEPTHS		Ftg	ROP	COMMENTS				BHA 1	Bit, Motor, Float, UBHO,		Bit No.	1	
0000	0.50	4845	4850	5	10.0	Slide - 5' @ 0 HS				Slick Monel, Slick Monel, 9 jts DC's, X-O		MFG.	Hughes		
0030	1.00	4850	4885	35	35.0	Rotate						Type	HC506Z		
0130	1.00	4885	4897	12	12.0	Slide - 12' @ 10 L						Ser. No.	7112860		
0230	1.00	4897	4932	35	35.0	Rotate					Today	Cumulative	Jets/TFA	6x16	
0330	1.25	4932	4949	17	13.6	Slide - 17' @ 30 L				Drlg Hrs	22.50	78.00	Depth In	4373	
0445	0.50	4949	4974	25	50.0	Rotate				Circ Hrs	1.50	11.50	Depth Out		
0515	0.50	4974	4979	5	10.0	Slide - 5' @ 5 R				Drlg & Circ Hrs	24.00	89.50	Slide %	28%	
0545	0.50	4979	4979	0	0.0	Work on pumps				Hrs in Hole	24.00	108.00	Rotate %	72%	
0615	0.75	4979	4990	11	14.7	Slide - 11' @ 20 R				BHA 2				Bit No.	
0700	0.50	4990	5019	29	58.0	Rotate								MFG.	
0730	1.00	5019	5033	14	14.0	Slide - 14' @ 20 R								Type	
0830	1.50	5033	5109	76	50.7	Rotate								Ser. No.	
1000	1.00	5109	5109	0	0.0	Cir fix pumps					Today	Cumulative	Jets/TFA		
1100	1.00	5109	5154	45	45.0	Rotate				Drlg Hrs	0.00	0.00	Depth In		
1200	0.75	5154	5164	10	13.3	Slide - 10' @ HS				Circ Hrs	0.00	0.00	Depth Out		
1245	0.75	5164	5200	36	48.0	Rotate				Drlg & Circ Hrs	0.00	0.00	Slide %		
1330	1.50	5200	5222	22	14.7	Slide - 22' @ 30 L				Hrs in Hole	0.00	0.00	Rotate %		
1500	0.75	5222	5254	32	42.7	Rotate				COST BREAKDOWN					
1545	0.75	5254	5267	13	17.3	Slide - 13' @ 10 L				Operating charge				\$ 6,500	
1630	1.25	5267	5335	68	54.4	Rotate				Subsistence				\$ 225	
1745	0.50	5335	5345	10	20.0	Slide - 10' @ 10 L				Additional supervisor				\$ 900	
1815	0.75	5345	5382	37	49.3	Rotate				MWD Insurance				\$ 450	
1900	1.25	5382	5397	15	12.0	Slide - 15' @ 10 L				Motor Insurance				\$ 450	
2015	0.75	5397	5428	31	41.3	Rotate									
2100	1.25	5428	5443	15	12.0	Slide - 15' @ 30 L									
2215	0.75	5443	5474	31	41.3	Rotate									
2300	1.00	5474	5489	15	15.0	Slide - 15' @ 30 L									
2400	0.00														
										10/17/08		Estimated Daily Cost		\$ 8,525	
										Mud Properties		Wt. (lb/gal)	8.4	SPM Pump 1	
										Cake 32s"		FV (sec/qt)	27		
										Solids %/vol	1.0%	PV (cps)	1	SPM Pump 2	
										Sand %/vol		YP(lb/100sq ft)	1	85	
										Oil %/vol	/99.0	PH	13.0	GPM	
										Chlor. mg/l	10,000	API Filtrate		313	
										Drlg Hrs	22.5	Circ Hrs   Krevs	1.5	#VALUE!	
										WOB (K)	20	Ftg   ROP	644	29	
										Mtr Ratio	0.21	Rot'   Slide'	480	164	
										Mtr RPM	66	RPM  Temp	50		
						Vantage rep, John Moran gave me a 100 ft				PSI off btm	1200	P/U   S/O	139	99	
						radius to land well. He is also supposed to send me				PSI on btm	1400	R/W   Torque	116		
						this via e-mail.				Current Activity		Rot & Slide to Maintain Tang.			

**multi-shot**

## DAILY DRILLING REPORT

[illegible]



## DAILY DRILLING REPORT

[illegible]

MWD/LWD INFORMATION											
LWD <b>Resistivity</b> Sensor distance from the Bit =		ft.	Telemetry Type =		Positive Pulse						
LWD <b>Gamma Ray</b> Sensor distance from the Bit =		ft.	LWD Flow Range GPM's =			to					
LWD <b>PWD</b> Sensor distance from the Bit =		ft.	LWD/MWD Connections =		T		B				
LWD <b>Survey</b> Sensor distance from the Bit =		ft.	LWD Pressure drop =			@					
LWD <b>Nuetron</b> Sensor distance from the Bit =		ft.	MWD TF offset from motor scribe line in degrees:								
LWD <b>Density</b> Sensor distance from the Bit =		ft.									
BHA WEIGHT IN AIR =		0 lbs.		BHA weight in mud @		2		Deg. Angle=		0	



**Directional Services**

## **Directional Support Staff**

Paul Culbreth	VP of Operations
David Cudd	VP of Sales
JJ Perkins	Ark-la-Tex Region Sales
Bill Moore	Dallas/Fort Worth Sales
Chris Keller	Houston Sales
Roger Johns	Oklahoma City Sales
Les West	Rockies Sales
Carthan Heard	Dir. Operations Manager
Alan Pederson	Northern US Coordinator
Bart Lantis	Northern US Coordinator
Chris Shipp	Southern US Coordinator
Jesse Shaw	Southern US Coordinator
Cindy Darland	Wellplanning Manager
Allen Slack	Wellplanner
Bianca LaCombe	Wellplanner
Marla Beck	Draftsman
Kristi Holguin	Post Well Reports
Rick Willis	Survey Manager
Joe Garza	MWD Manager
Gilbert Villarreal	Motor Shop Manager
Lynn Holmes	Steering Tool Manager

### **Corporate Headquarters**

Conroe, TX 936-441-6655 ph  
936-441-6620 fx

### **Multi-Shot Locations**

Baker, MT 406-778-3983 ph  
877-844-9850 watts  
406-778-3982 fx

Casper, WY 307-473-1800 ph  
307-473-1808 fx

Conroe, TX 936-441-6630 ph  
800-769-5988 watts  
936-539-1075 fx

Corpus Christi, TX 361-289-7272 ph  
800-880-7468 watts  
361-289-7320 fx

Dallas, TX 817-870-4847 ph  
817-870-4829 fx

Denver, CO 303-542-1957 ph  
303-542-1958 fx

Fort Worth, TX 817-568-1038 ph  
817-568-1499 fx

Grand Junction, CO 970-257-1911 ph  
970-257-1947 fx

Houston, TX 281-951-4346 ph  
281-951-4342 fx

Odessa, TX 432-339-0360 ph  
Tyler, TX 903-520-9887 ph  
903-839-3636 fx

### **Corporate**

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